

# DOCUMENT RESUME

ED 076 417

SE 016 061

TITLE Automated Instructional Management Systems (AIMS)  
Version III, Operator's Guide.

INSTITUTION New York Inst. of Tech., Old Westbury.

SPONS AGENCY Office of Education (DHEW), Washington, D.C. Bureau  
of Research.

BUREAU NO BR-8-0157

PUB DATE [73]

CONTRACT OEC-0-8-080157-3691(010)

NOTE 127p.

EDRS PRICE MF-\$0.65 HC-\$6.58

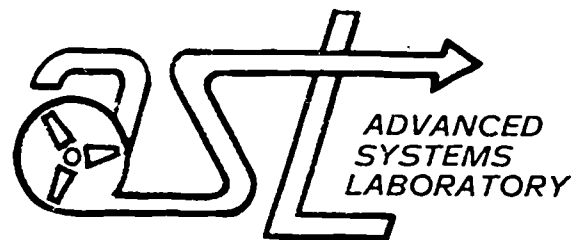
DESCRIPTORS \*Computer Assisted Instruction; \*Computer Programs;  
\*Computer Science; Instruction; \*Instructional Media;  
Instructional Technology; Management Information  
Systems; Mathematics Education; Programed  
Materials

IDENTIFIERS \*Automated Instructional Management System

## ABSTRACT

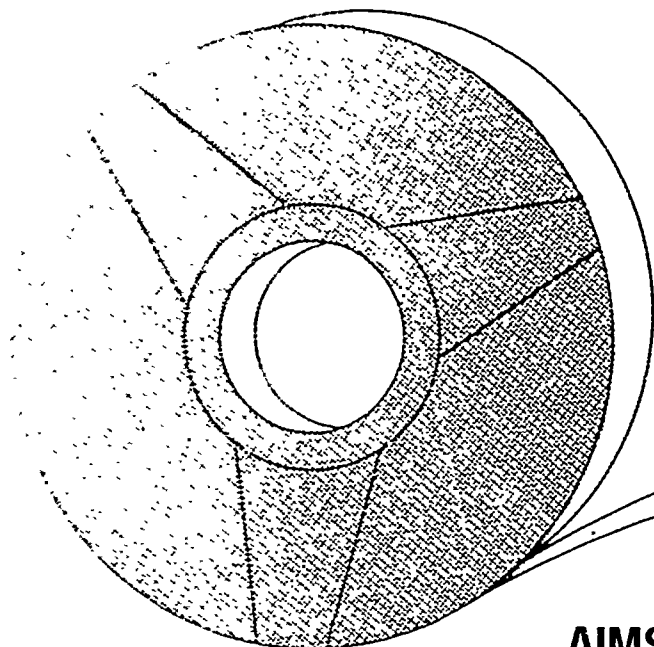
This manual gives the instructions necessary to understand and operate the Automated Instructional Management System (AIMS), utilizing IBM System 360, Model 30/Release 20 Disk Operating System, and the OpScan 100 System Reader and Tape Unit. It covers the AIMS III system initialization, system and operational input, requirements, master response file initialization, and report generation. Appendices include examples of job control statements, error messages, control decks, card and form layouts, post run procedure, and output listings and report formats. For other documents in this series, see SE 016 059 through SE 016 064. (DT)

U.S. DEPARTMENT OF HEALTH,  
EDUCATION & WELFARE  
OFFICE OF EDUCATION  
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

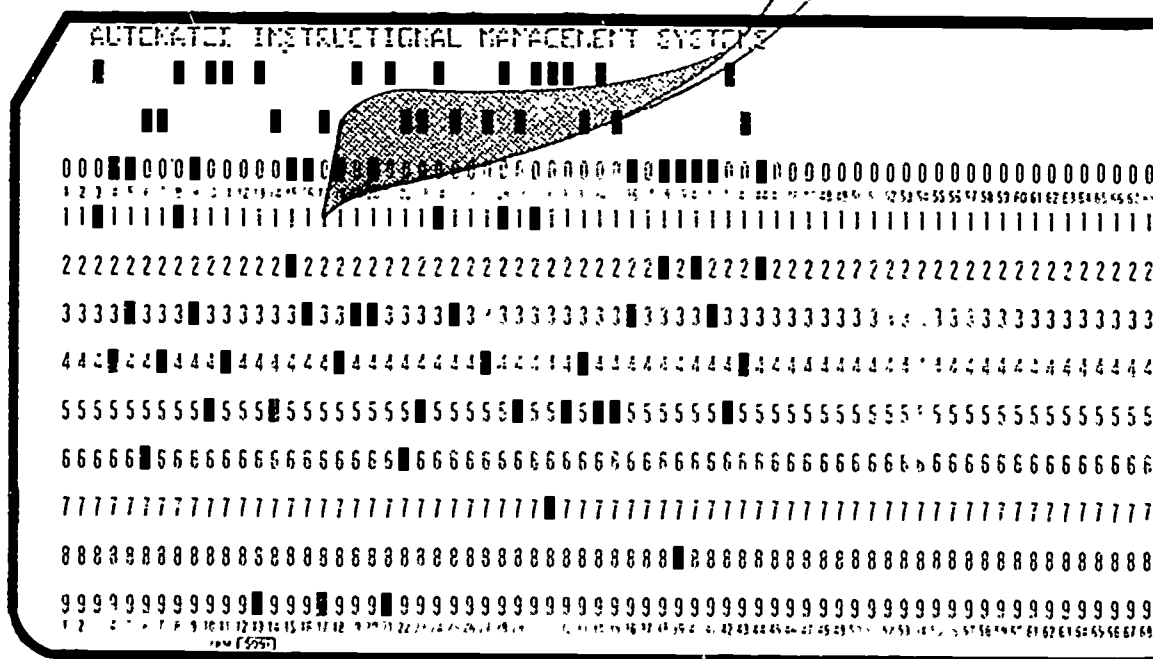


# automated instructional management systems

ED 076417



## AIMS VERSION III OPERATOR'S GUIDE



NEW YORK INSTITUTE OF TECHNOLOGY  
OLD WESTBURY, NEW YORK

SE016 061

ED 076417

AUTOMATED INSTRUCTIONAL MANAGEMENT SYSTEM

OPERATOR'S GUIDE

Prepared by the Staff of  
The Advanced Systems Laboratory

Ernest N. O'Dierno, Director

00  
11  
22  
33  
44  
55  
66  
77  
88  
99  
769

## FOREWORD

- The Automated Instructional Management System (AIMS) was designed to monitor, score, and evaluate individual students, groups of students, and curricular content in a course environment designated for educational management.
- The AIMS System was designed around IBM System/360, and Version III was generated with Model 30/Release 20 IBM Disk Operating System (DOS).
- This Automated Instructional Management System has been developed with U. S. Office of Education funds under Research Contract No. OEC-0-8-080157-3691(010).

---

ADVANCED SYSTEMS LABORATORY  
New York Institute of Technology  
Old Westbury, L.I., New York

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

TABLE OF CONTENTS

|             |  | <u>Page</u> |
|-------------|--|-------------|
| SECTION I   | General Information                                  | 1           |
| SECTION II  | AIMS III System Initialization                       | 5           |
|             | Clear Disk Function                                  | 8           |
|             | System Initialization                                | 11          |
| SECTION III | AIMS III System Input                                | 15          |
|             | Student Background and Enrollment                    | 17          |
|             | Student Drop   | 20          |
|             | Student Roster-Background Listing                    | 22          |
|             | Header File  | 24          |
|             | Header Check   | 26          |
|             | Header Store   | 28          |
|             | Header File Updating                                 | 30          |
|             | Header File Updating - Header Check/<br>Header Store | 32          |
|             | Header File Listing                                  | 34          |
|             | Question (MBO) File                                  | 35          |
|             | Question Listing                                     | 37          |
|             | Directory File Listing                               | 38          |
| SECTION IV  | AIMS III Operational Input                           | 39          |
|             | Student Response Port-a-Punch Card Input             | 43          |
|             | Student Response Tape-SORT/MERGE                     | 46          |
|             | Student Response OpScan Input<br>(preprocessing)     | 47          |
|             | Optical Scanner Response Tape Conversion             | 50          |
|             | Converted Student Response Tape Sort                 | 53          |
| SECTION V   | AIMS III Master Response File Creation               | 55          |
|             | Master Response File Initialization                  | 59          |
|             | Master Response File Updating                        | 60          |
| SECTION VI  | AIMS III Report Generator                            | 61          |
|             | Report Generation                                    | 65          |

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

TABLE OF CONTENTS (continued)

| <u>Appendices</u> |                                       | <u>Page</u> |
|-------------------|---------------------------------------|-------------|
| A                 | Job Control Statements                | 69          |
| B                 | Tables                                | 89          |
| C                 | Error Messages                        | 95          |
| D                 | Control Decks                         | 101         |
| E                 | Card and Form Layouts                 | 111         |
| F                 | Post Run Procedure                    | 121         |
| G                 | Output Listings and Report<br>Formats | 125         |

SECTION 1

GENERAL INFORMATION

## I. INTRODUCTION

- A. SCOPE: This document sets forth the instructions necessary to understand and operate the Automated Instructional Management System (AIMS-VERSION III), utilizing IBM System 360, Model 30/Release 20 Disk Operating System, and the OpScan 100 System Reader and Tape Unit.
- B. APPLICATION: This document applies to the following only:
1. AIMS III System Initialization
  2. AIMS III Input Requirements
    - a. System
    - b. Operational
  3. AIMS III Master Response File Initialization
  4. Report Generation
- C. ABBREVIATIONS: The following abbreviations used in this manual are consistent with AIMS System standards:
- AIMS - Automated Instructional Management System
  - CDP - Clear Disk Program
  - CSN - Course Student Number
  - CTIO - Card-to-Tape INPUT/OUTPUT
  - DOSRES - DOS Resident Pack
  - EO - Enabling Objective
  - JCS - Job Control Statement
  - MBO - Measurable Behavioral Objective
  - TO - Terminal Objective
  - TPTP - Tape-to-Tape

## II. ASSOCIATED DOCUMENTS

- A. APPLICABLE DOCUMENTS: The following, although not forming a part of this manual, may be used in conjunction with this document:



A380-670-4

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

SECTION 1

---

- A350 Users Manual...Automated Instructional Management System
- A360 System Manual...Automated Instructional Management System
- A370 Program Logic Manual...Automated Instructional Management System

B. REFERENCE DOCUMENTS: The following, although not forming a part of this manual, may be used as reference:

- OpScan 100 DM...Operator's Manual
- OpScan 100 DM Tape Unit...Operator's Manual

C. FORMS USED:

- Port-a-Punch Cards
- OpScan Forms
- Standard IBM 80 Column Cards

D. APPENDICES

- A Job Control Statements
- B Tables
- C Error Messages
- D Control Decks
- E Card and Form Layouts
- F Post Run Procedure
- G Output Listings and Report Formats

SECTION 2

AIMS III SYSTEM INITIALIZATION

## AIMS III SYSTEM INITIALIZATION

### A. GENERATION INFORMATION

1. Certain internal files must be created for each course.
2. All files are not required for each type of operation. Some are presently inactive, but all are included in each deck to prevent omissions.

### B. CRITERIA

1. Each course run will have a unique control (JCS) deck, as the course names cannot be identical.
2. The Job Control Statement decks for the different courses being run, must not be mixed during processing. The JCS deck specified for a particular course, must be used for that course, to avoid output of reports utilizing incorrect files. Appendix A contains a listing of all JCS Decks presently being used, as well as an illustration of each deck setup.

STEP I

PROGRAM ID: CLEAR DISK FUNCTION

ABSTRACT: This program takes the appropriate JCS decks, as specified by the Systems Programmer, and initializes the following Direct Access files using the appropriate Clear Disk Utility Deck for each file.

- System File
- Text File
- Directory File
- Lesson Scratch File
- Student Score File
- Student Background and Enrollment File
- Header File

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - Clear Disk Utility Deck  
2311 Disk Pack on 191.

RUN: Program reads the cards from the card reader and clears the Disk Pack. This function is performed for each file.

ERRORS: The program handles all operating errors and requires no operator intervention.

CLEAR DISK  
UTILITY DECKS: Lesson Scratch File

```
// JOB 210012
// DLBL VOV'T,'LESSON SCRATCH FILE-AIMS',70/365,30
// EXTENT SYS002,000003,1,0,10,99
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/ &
```

STEP I (continued)Header File

```
// JOB 210012
// DLBL VOV'T,'HEADER FILE-AIMS',70/365,30
// EXTENT SYS003,000003,1,0,690,59
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/ &
```

Directory File

```
// JOB 210012
// DLBL VOV'T,'DIRECTORY FILE-AIMS',70/365,30
// EXTENT SYS004,000003,1,0,750,49
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/ &
```

Question File

```
// JOB 210012
// DLBL VOV'T,'QUESTION FILE-AIMS',70/365,30
// EXTENT SYS005,000003,1,0,800,249
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/ &
```

Text File

```
// JOB 210012
// DLBL VOV'T,'TEXT FILE-AIMS',70/365,30
// EXTENT SYS008,000003,1,0,1050,19
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/ &
```

STEP I (continued)

System File

```
// JOB 210012
// DLBL VOV'T,'SYSTEM FILE-AIMS',70/365,30
// EXTENT SYS009,000003,1,1070,9
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/£
```

Student Background File

```
// JOB 210012
// DLBL VOV'T,'STUDENT BACKGROUND FILE-AIMS',70/365,30
// EXTENT SYS006,000003,1,0,110,9
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/£
```

Student Score File

```
// JOB 210012
// DLBL VOV'T,'STUDENT SCORE FILE-AIMS',70/365,30
// EXTENT SYS007,000003,1,0,120,569
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/£
```

A380-670-12

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

SECTION 2

---

STEP II

PROGRAM ID:        AIMS III SYSTEM INITIALIZATION

ABSTRACT:        This program reads the appropriate JCS  
                     deck (Appendix A) as specified by the  
                     Systems Programmer and initializes the  
                     files for a particular course.

SETUP:            PRINTER - Standard paper (14 7/8") and  
                     control tape.

                     CARD READER - Appropriate JCS Deck,  
                     AIMSMAIN (Navy), or AHEWMAIN (HEW).

RUN:              Program reads the cards from the card  
                     reader and initializes the appropriate  
                     files for a specific course. This  
                     function is performed for each course.  
                     to be run.

ERRORS:           The program handles all operating errors  
                     and requires no operator intervention.

                     For processing errors refer to Appendix  
                     C - Error Messages.

SECTION 3

AIMS III SYSTEM INPUT



## AIMS III SYSTEM INPUT

### GENERAL INFORMATION

1. All system input functions shall be performed in the order of priority; but the order of performance, within each priority level, is immaterial. The relevant input, its sources and performance priorities, is listed in Appendix D - Table 1.
2. The peripheral unit configurations are shown in Appendix D - Table 2.

STEP I

PROGRAM ID: STUDENT BACKGROUND AND ENROLLMENT

ABSTRACT: This program takes punched card input (see Card Layout 1), and using the AIMSMAIN Control Deck, loads initial Student Enrollment and Background data onto the AIMS files. It also adds new student records to the files, and produces a listing of all information contained on the file. Input cards may also be read to tape for tape input.

INPUT CRITERIA: Student Enrollment data may be loaded onto the files up to a total of 185 students for a specific course. If student input is greater than 185, an error message will be printed (see Appendix C - Error Messages), and processing will stop.

In multi-group processing, if more than one group of students is being processed through the same identical course and sharing some of the disk files, each course requires a unique Student Background and System file, with unique file names. The JCS control decks must not be mixed up during processing.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck, Job Control Card and Student Background data cards.

INITIALIZED DISK PACK on 191.

RUN: Program reads the cards from the card reader, assigns course student numbers by order of input, computes capability indices, and assigns the date of each student input to the students records. A listing is printed containing all of the information on file, and the date of each students' input to the file.

STEP I (continued)

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

CARD INPUT PROGRAM CONTROL: Initial student data card input, or student additions to the file, accepts the following job control card in the AIMS-MAIN Control Deck (Deck 1).

1  
((STUDENT-INPUT

TAPE INPUT PROGRAM CONTROL:

Initial student data input, or student additions to the file accepts the following job control card in Deck 1 for tape input:

1 24  
((STUDENT-INPUT

This format requires that the system find a tape with the background information (80 byte image records).

DATA DECK: Following either job control card is a data deck, consisting of Student Background and Enrollment Cards.

STEP I (continued)

SAMPLE DECK  
SETUP:

AIMSMAN CONTROL DECK FOR Student  
Background and Enrollment File.

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓  
// EXEC AIMSMAN  
((STUDENT-INPUT  
BACKGROUND DATA DECK  
/\*  
/&

A580-670-20

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

SECTION 5

STEP II

PROGRAM ID: STUDENT DROP

ABSTRACT: This program takes punched card input (see Card Layout 2), and using the AIMSMAIN Control Deck, updates the AIMS III Student Background and Enrollment File. Students that are dropped from the file are flagged, but not actually removed from the file. The course student number is not reassigned, but all future processing will ignore the student's record. Input cards may also be read to tape for tape input.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck, Job Control Card and Student Drop Data Cards.

INITIALIZED DISK PACK on 191.

RUN: Program reads the cards from the card reader, and updates the files by flagging each student to be dropped.

ERRORS: The program handles all operating errors and requires no operator intervention. For processing errors, refer to Appendix C - Error Messages.

CARD INPUT  
PROGRAM  
CONTROL:

The following is the job control card used in Deck 1, for Students to be dropped:

1

((STUDENT-DROP

STEP II (continued)

TAPE INPUT  
PROGRAM  
CONTROL:

For Student Drop Tape input, the following  
job control card is accepted:

1

24

((STUDENT-DROP

DATA DECK:

Following either job control card is a  
data deck consisting of a drop card for  
each student to be dropped from the file.

SAMPLE DECK  
SETUP:

AIMSMAIN CONTROL DECK FOR STUDENT DROP

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS



// EXEC AIMSMAIN  
((STUDENT-DROP  
STUDENT DROP DATA DECK  
/\*  
/&

STEP. III

PROGRAM ID: STUDENT ROSTER-BACKGROUND LISTING

ABSTRACT: This program takes punched card input and using the AIMSMAIN Control Deck, prints one line of information for each student (see OUTPUT). At the end of the listing, a message is printed informing the user as to the number of students on the file, and how many are remaining in the course.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck and Job Control card.

INITIALIZED DISK PACK loaded on 191.

RUN: Program reads the cards from the card reader and prints out the Student Roster Background listing.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to APPENDIX C - Error Messages.

PROGRAM CONTROL: The following job control card is accepted in Deck 1 to run the Student Roster - Background Listing.

1 16

((STUDENT-ROSTER

STEP III (continued)

SAMPLE DECK  
SETUP:

AIMSMAN CONTROL DECK FOR STUDENT  
ROSTER-BACKGROUND FILE

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓  
// EXEC AIMSMAN  
((STUDENT-ROSTER  
/\*  
/&

OUTPUT:

One line of information is printed for  
each student. Each line contains the  
following:

Student Name  
Social Security or ID Number  
Course Student Number  
Capability Index  
SAT - Math  
SAT - Verbal  
Average  
Rank  
Elementary Algebra  
Intermediate Algebra  
Geometry  
Trigonometry  
Calculus  
Physics  
I.Q.  
Reading  
Comments  
Course Number  
Drop Flag  
Date Entered  
Date Dropped

At the end of the listing, a message is  
printed stating the number of students  
on file, and how many are remaining in  
the course.



STEP IV

PROGRAM ID:       HEADER FILE

ABSTRACT:       This program takes Course Header Input cards (Card Layout 3), which are standard Port-a-Punch cards, and using the Card-to-Tape Utility Deck (CTIO) produces a tape record of the Header Card Input containing question and answer matrices.

INPUT  
CRITERIA:       The Header File must be prepared prior to performing any further functions, and as much in advance as possible.

When running the Header Port-a-Punch cards through the CTIO Program, a check of the output listing is required to insure that no cards have been rejected. Once Header records are placed on file for a volume (lesson), no more may be added for that volume. Additions may only be made for succeeding volumes.

SETUP:       PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - CTIO Control Deck, Job Control Card, and Header Data Cards.

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

SCRATCH TAPE MOUNTED on 181.

RUN:       Program reads the cards to tape from the card reader and produces a temporary tape record of the Header File.

ERRORS:       The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

STEP IV (continued)

PROGRAM  
CONTROL:

The following job control card is  
accepted in Deck 2 to read Header  
Cards to tape.

1            9

((CARDS HEADER

DATA DECK:

Following the job control card is a  
data deck consisting of Header Cards.

SAMPLE DECK  
SETUP:

CTIO CONTROL DECK FOR HEADER FILE

// JOB 210012

// ASSGN,DLBL,TLBL&EXTENT CARDS



// EXEC CTIOMAIN

((CARDS HEADER

((HEADER DATA DECK

/\*

/&

STEP V

PROGRAM ID:       HEADER CHECK

ABSTRACT:       This program takes punched card input, and using the AIMSMAIN Control Deck, causes the system to list the permanent Headers. If the Header input passes the error checking procedures, it is placed in a temporary file. If not, processing error messages are printed.

SETUP:           PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck, and Job Control Card.

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

TEMPORARY HEADER FILE TAPE FROM CTIO RUN mounted on 182.

SCRATCH TAPE mounted on 181.

RUN:           Program reads the cards from the card reader checking that:

- The lesson number of the first temporary file is greater than the last number in the permanent file, and ascends sequentially by one, through the last lesson number of the temporary file, which should be less than forty.
- There are ten or less headers per lesson.
- Each header is unique according to lesson number, segment number, and type.

STEP V (continued)

The system will list the permanent headers,  
and if the error checking conditions are  
met, the following message is printed:

"A-OK"

PROCESSING  
ERRORS:

If the error checking conditions are not  
met, the following message is printed:

"THE CONDITION IS STOP"

Following receipt of this message, the run  
is terminated, the job cancelled, and the  
cognizant programmer notified.

For other processing errors refer to  
Appendix C - Error Messages.

OPERATING  
ERRORS:

The program handles all operating errors  
and requires no operator intervention.

PROGRAM  
CONTROL:

The following job control card is accepted  
in Deck 1 to run the Header Check routine:

SAMPLE DECK  
SETUP:

```
1
  ((HEADER-CHECK
AIMSMAN CONTROL DECK FOR HEADER CHECK

// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
↓
// EXEC AIMSMAN
((HEADER-CHECK
/*
/6
```

STEP VI

PROGRAM ID:       HEADER STORE

ABSTRACT:       This program takes punched card input, and using the AIMSMAIN Control Deck, stores the temporary Header file in a permanent file. The run will be terminated and an error message will be received, if the error checking conditions have not been met, and an "A-OK" message received.

INPUT  
CRITERIA:       This function must be performed for the Headers in a particular lesson before any further operations can be performed.

All the Headers for a course may be stored at one time, or, they may be done for sections at a time.

SETUP:           PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck, and Job Control card.

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

TEMPORARY HEADER FILE TAPE FROM CTIO RUN mounted on 182.

SCRATCH TAPE mounted on 181.

RUN:            Program reads the cards from the card reader and instructs the system to take the Headers in the temporary file and place them in the permanent file.

STEP VI (continued)

ERRORS:           The program handles all operating errors  
                    and requires no operator intervention.

For processing errors refer to Appendix  
C - Error Messages.

PROGRAM  
CONTROL:           The program accepts the following job  
                    control card in Deck 1:

SAMPLE DECK  
SETUP:

1  
((HEADER-STORE

AIMSMAIN CONTROL DECK FOR HEADER STORE

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓

// EXEC AIMSMAIN  
((HEADER-STORE  
/\*  
/q

STEP VII

PROGRAM ID:       HEADER FILE UPDATING

ABSTRACT:       This program takes punched standard Port-a-Punch Course Header input cards (Card Layout 3), containing changes in answer matrices, and using the Card-to-Tape Utility Deck, produces a tape record of the permanent Header File. Two steps are required to update the Header file. Producing a tape record of the permanent Header File, updated to contain the new answers, is the first step required. This tape record must be identical to the original Headers contained in the permanent file, in all respects but one: the answers to the questions may differ, and the total number of possible selections would change accordingly.

INPUT  
CRITERIA:       The only information that can be replaced in an existing Header record is the answer matrix.

SETUP:           PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - CTIO Control Deck, Job Control Card, and Header data cards.

APPROPRIATE COURSE DISK PACK loaded on 191.

SCRATCH TAPE mounted on 181.

RUN:            Program reads the cards to tape from the card reader, and produces an updated tape record of the Header File containing the new answer matrices.

STEP VII (continued)

ERRORS:           The program handles all operating errors  
                    and requires no operator intervention.

For processing errors refer to Appendix  
C - Error Messages.

PROGRAM  
CONTROL:           The following job control card is accepted  
                    in Deck 2 to read Header Card changes to  
                    Tape:

1           9  
            ((CARDS HEADER

DATA DECK:        Following the job control card is a data  
                    deck consisting of Header cards contain-  
                    ing changes in answer matrices.

SAMPLE DECK  
SETUP:            CTIO CONTROL DECK FOR HEADER FILE UPDATING

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓  
// EXEC CTIOMAIN  
((CARDS HEADER  
((HEADER DATA DECK  
/\*  
/G



STEP VIII

PROGRAM ID:       HEADER FILE UPDATING-HEADER CHECK-  
                    HEADER STORE

ABSTRACT:       This program, the second step in up-  
                    dating the Header file, takes punched  
                    card input, and using the AIMSMAIN  
                    Control Deck, lists the permanent  
                    headers, including all previous up-  
                    dates, and checks the input against  
                    the error checking routines. If the  
                    new Headers pass the error checking  
                    procedures they are placed in a tem-  
                    porary file. The program then instructs  
                    the system to take the Headers in the  
                    temporary file, and add to, or replace  
                    those in the permanent file.

SETUP:            PRINTER - Standard (14 7/8") paper and  
                    control tape.

                    CARD READER - AIMSMAIN Control Deck and  
                    Job Control Cards.

                    APPROPRIATE COURSE DISK PACK loaded on  
                    191.

                    HEADER FILE tape from CTIO Run mounted  
                    on 182.

                    SCRATCH TAPE mounted on 181. .

RUN:             Program reads the cards from the card  
                    reader, and the first job control card  
                    causes the system to list the permanent  
                    headers consisting of all previous up-  
                    dates. It checks the file to determine  
                    if the new headers are replacing or  
                    being added to the ones previously on  
                    file. If the error checking conditions  
                    are met, it places the new headers in a  
                    temporary file, and prints the following  
                    message:

"A-OK"

STEP III (continued)

The second job control card then causes the program to instruct the system to take the headers residing in the temporary file, and add them to, or replace those in the temporary file.

PROCESSING  
ERRORS:

If the error checking conditions are not met, the following message is printed:

"THE CONDITION IS STOP"

Following receipt of this message, the run is terminated, the job cancelled, and the cognizant programmer notified.

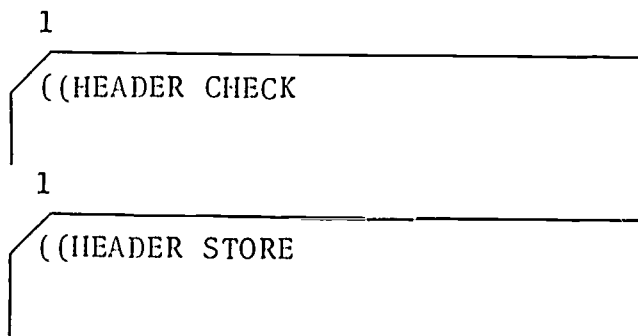
For other processing errors refer to Appendix C - Error Messages.

OPERATING  
ERRORS:

The program handles all operating errors and requires no operator intervention.

PROGRAM  
CONTROL:

The following job control cards are accepted in Deck 1 to run the Header Check-Header Store routine:



SAMPLE DECK  
SETUP:

AIMSMAN CONTROL DECK FOR HEADER CHECK-  
HEADER STORE

// JOB 210012  
// ASSGH,DLBL,TLBL&EXTENT CARDS

↓  
// EXEC AIMSMAN  
((HEADER-CHECK  
((HEADER-STORE

/\*

/.&

A380-670-34

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

SECTION 5

STEP IX

PROGRAM ID: HEADER FILE LISTING

ABSTRACT: This program takes punched card input, and using the AIMSMAIN Control Deck, produces a listing of both permanent and temporary Header files.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck and Job Control card.

APPROPRIATE UPDATED COURSE File Disk Pack loaded on 191.

RUN: Program reads the cards from the card reader and causes the system to produce a listing of both permanent and temporary Header Files.

ERRORS: The program handles all operating errors and requires no operator intervention.

PROGRAM CONTROL: The following job control card is accepted in Deck 1 to print the Header File Listing.

1 14

((HEADER-PRINT

SAMPLE DECK  
SETUP:

AIMSMAIN CONTROL DECK FOR HEADER FILE LISTING

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓  
// EXEC AIMSMAIN  
((HEADER-PRINT  
/\*  
/q

STEP X

PROGRAM ID: QUESTION (MBO) FILE

ABSTRACT: This program takes punched Question (MBO) Descriptor input cards (Card Layout 4), containing reference numbers, and descriptive information for each question in the course, and using the AIMSMAIN Control Deck, loads this data onto the AIMS files. It also handles all changes to the Question (MBO) Descriptor file. Question (MBO) input may also be read to tape for tape input.

INPUT CRITERIA: There may be only one Question File Record for each question in the Header File.

The only information that may be replaced in the Question (MBO) Descriptor Record includes the MBO description, correct answer, and prescription.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck, Job Control Card and Question (MBO) Data Deck.

APPROPRIATE UPDATED COURSE FILE Disk Pack loaded on 191.

RUN: Program reads the cards from the card reader and loads the Question (MBO) Descriptor data onto the appropriate Course File Disk Pack.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

STEP X (continued)CARD INPUT  
PROGRAM  
CONTROL:Initial Question (MBO) Descriptor data, or  
changes to the record, accepts the following  
job control card in Deck 1 for card input.

1

((QUESTION-INFORMATION

TAPE INPUT  
PROGRAM INPUT:Initial Question (MBO) Descriptor data, or  
changes to the record, accepts the following  
job control card in Deck 1 for tape input.

1

24 30

((QUESTION-INFORMATION 13 1

This format requires that the system find a  
tape with the Question information (80 byte  
image records).

DATA DECK:

Following either job control card is a data  
deck consisting of Question (MBO) Descriptor  
cards.SAMPLE DECK  
SETUP:AIMSMAN CONTROL DECK FOR QUESTION (MBO)  
DESCRIPTOR FILE// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓

// EXEC AIMSMAN  
((QUESTION-INFORMATION  
QUESTION(MBO)DESCRIPTOR DATA DECK  
/\*  
/&

STEP XI

PROGRAM ID: QUESTION LISTING

ABSTRACT: This program takes punched card input, and using the AIMSMAIN Control Deck, prints a listing of the Question (MBO) Descriptor File.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck and Job Control Card.

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

RUN: Program reads the cards from the card reader and prints out the contents of the Question (MBO) Descriptor File.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

PROGRAM CONTROL: The following job control card is accepted in Deck 1 to run the Question (MBO) File listing:

1 18

((QUESTION-LISTING

SAMPLE DECK  
SETUP:

AIMSMAIN CONTROL DECK FOR QUESTION (MBO)  
DESCRIPTOR FILE LISTING

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓  
// EXEC AIMSMAIN  
((QUESTION-LISTING  
/\*  
/q

STEP XII

PROGRAM ID: DIRECTORY FILE LISTING

ABSTRACT: This program takes punched card input, and using the AIMSMAIN Control Deck, produces a listing containing the contents of the Directory File where question groups are indexed by terminal objective.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck and Job Control Card.

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

RUN: Program reads the cards from the card reader and prints out a listing of the Directory File contents.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

PROGRAM CONTROL: The following job control card is accepted in Deck 1 to run the Directory file listing:

SAMPLE DECK  
SETUP:

```

      1
      |
      |  ((QUESTION-TO-LISTING
      |
      |  AIMSMAIN CONTROL DECK FOR DIRECTORY FILE LISTING
      |
      |  // JOB 210012
      |  // ASSGN,DLBL,TLBL&EXTENT CARDS
      |
      |  ↓
      |  // EXEC AIMSMAIN
      |  ((QUESTION-TO-LISTING
      |  /*
      |  /&
  
```

SECTION 4

AIMS III OPERATIONAL INPUT



## AIMS III OPERATIONAL INPUT

### A. GENERAL INFORMATION

Once the course files have been initiated, the system is ready to process student responses. The two sources of student response input are Port-a-Punch cards and OpScan forms.

1. Port-a-Punch cards are processed by System 360 to produce a Student Response Tape.
2. OpScan Forms are preprocessed through an OpScan Reader and Tape Unit to produce the final output tape containing complete Student Response records, sorted in proper sequence for AIMS processing.

STEP I

PROGRAM ID: STUDENT RESPONSE PORT-A-PUNCH CARD INPUT

ABSTRACT: This program accepts Student Responses (for each course) in the form of Port-a-Punch cards (Card Layout 5), of which there are two types, i.e., 5 response choices (A-E) and four response choices (A-D). These cards are read to tape, using the card to tape Utility Program, producing an unsorted Student Response Tape Record.

INPUT  
CRITERIA:

Handling of Port-a-Punch cards should be kept to a minimum as damage can occur which will prevent processing. The perforated punches in the cards may fall out causing both identification and response errors.

The correct control deck must be used for the specific course being run.

Test types requiring more than one card per exam, should be ordered so that a sequence one (1) card is immediately followed by the respective sequence two (2) card. For example:

CSN 1  
CARD 1  
CARD 2  
CSN 2  
CARD 1  
CARD 2

If any cards are rejected or destroyed by the card reader during the run, they can be repaired and placed at the end of the Port-a-Punch decks, but before the Delimiter card (/ \*).

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - CTIO Control Deck (CTIOMAIN) or NYITCTIOMAIN), Job Control Card, and Port-a-Punch data deck.

---

STEP I (continued)

OUTPUT TAPE mounted on 181.

APPROPRIATE COURSE HEADER FILE DISK PACK  
loaded on 191.

RUN:

The program reads the cards to tape from the card reader and checks the test identification on the response card against the Header records on file to determine whether the response cards being input actually correspond to a test in the files. Additional checking is performed for:

- Student Identification
- Mis-punched Columns
- Date
- Completion Time

If the checking routines are passed, the program writes the unsorted student response records on tape.

ERRORS:

The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

PROGRAM  
CONTROL:

The following job control card is accepted in Deck 2 to read student response cards to tape:

1            9  
((CARDS STUDENT

Following the job control card is a data deck consisting of Student Response Port-a-Punch cards.

STEP I (continued)

SAMPLE DECK  
SETUP:

CTIO CONTROL DECK FOR STUDENT RESPONSE  
PORT-A-PUNCH CARD INPUT

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS



// EXEC CTIOMAIN(OR NYITCTIOMAIN)  
((CARDS STUDENT  
((DATA DECK  
/\*  
/q

A380-670-46

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

SECTION 4

---

STEP II

PROGRAM ID: STUDENT RESPONSE TAPE - SORT/MERGE

ABSTRACT: This program, sorts the Student Response tape, created in Step 1, in order of Volume, Course, Student Number, Segment, and Type using the IBM Sort/Merge Utility Program (Deck 3).

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

UNSORTED STUDENT TAPE mounted on 181.

OUTPUT TAPE mounted on 180.

RUN: Program reads the cards from the card reader and produces a sorted Student Response Tape for AIMS processing.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

STEP III

PROGRAM ID: STUDENT RESPONSE OPSCAN INPUT  
PREPROCESSING

ABSTRACT: This program processes Student Responses in the form of OpScan sheets, (Layout 6) which are preprocessed through an OpScan Reader and Tape Unit, for input to the IBM 360 Computer Interface program. It produces a final output tape containing complete response records, sorted in proper order for AIMS processing.

INPUT  
CRITERIA: All pre-test and post-test OpScan forms shall be scanned at the same time. Study guides should be scanned in a separate operation, using a different tape than that used for pre-test and post-test scanning.

A. OpScan System Setup Instructions

1. Mount Output Tape on OpScan Tape Unit
2. On OpScan Reader-Set:
  - POWER to ON
  - DRIVE to ON
  - FEED/HOLD to HOLD
  - FORM to H1
3. Press Red Button on Counter to Reset to Zero
4. Set LOAD/SCAN Switch to A; then
  - o Feed Q Control form into the input feed hopper (marked side facing upward)
5. Set LOAD/SCAN Switch to K; then
  - Feed K control form into the input feed hopper (marked side facing upward)

---

STEP III (continued)

6. Set LOAD/SCAN switch to T; then
- Press Test Button to initiate memory check.

7. Set LOAD/SCAN switch to P; then
- Press Test Button to initiate parity check.

8. Set:

MULTIPLE/SELECT Switch to DOWN  
PRINT/INHIBIT Switch-NOT APPLICABLE  
TWO/THREE Switch-NOT APPLICABLE  
LOAD SCAN Switch to S  
FORMULA Switch-NOT APPLICABLE

OMIT/SELECT Switch to OFF  
TOTAL Switch to OFF  
DOUBLE LINE to OFF for Pre-Test, Post-Test  
Forms  
DOUBLE LINES to ON for Study Guide Forms  
MODE to S  
FULL/HALF Switch (inside machine) to HOLD

B. START PROCESSING INSTRUCTIONS

1. Load OpScan Forms into the Input Feed Hopper
2. Mount Output Tape Reel on Tape Unit
3. Press Tape Enable ON
4. On Tape Unit:
  - Press ON/OFF switch to ON; then
  - Verify FORWARD indicator lights; then
5. Set:
  - HI SPEED-LOCAL-AUTO switch to LOCAL
  - REV-STOP-FWD switch to STOP
  - FAST REV-STOP-FAST FWD switch to STOP

STEP III (continued)

6. Mount Output Tape Reel
7. Press READY LOAD Button until tape stops, then release.
8. Set HI-SPEED-LOCAL-AUTO Switch to AUTO  
NOTE: Do not tape mark beginning of tape.

9. ON READER:

- Press RESET Button to extinguish RED Lights.
- Set FEED/HOLD Button to FEED

C. END OF PROCESSING INSTRUCTIONS

1. Press tape mark switch
2. Set:
  - FEED/HOLD to HOLD
  - DRIVE to OFF
  - POWER switch to OFF when scanning disc stops rotating.



STEP IV

PROGRAM ID: OPTICAL SCANNER RESPONSE TAPE CONVERSION

ABSTRACT: This program interpretes the Student Response tapes, created by OpScan pre-processing, and using the Card-to-Tape (CTIO) Utility program (Deck 2) merges the tapes and produces an unsorted Student Response Record.

CRITERIA: SCRATCH TAPE shall be clean to avoid incorrect record length difficulties.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - CTIO Control Deck (CTIOMAIN or NYITCITOMAIN), and Job Control Card.

PRE-TEST, POST-TEST TAPE mounted on 182.

STUDY GUIDE TAPE mounted on 183.

SCRATCH TAPE mounted on 181.

APPROPRIATE COURSE HEADER FILE DISK PACK on 191.

RUN: The program reads the cards from the card reader, interprets the response tapes, and checks the test identification on the response tapes against the Header Records. The program tests to determine whether the response cards being input actually correspond to a test in the files. Additional checking is performed for:

- Student Identification
- Date
- Completion Time
- Bad Quality

If the checking routines are passed, the program writes the unsorted student response records on tape.

---

STEP IV (continued)

OPERATING  
ERRORS:

The program handles all operating errors  
and requires no operator intervention.

PROCESSING  
ERRORS:

Pre and Post Test:

RECORD NNN HAS BAD QUALITY -- RECORD IGNORED

RECORD NNN HAS A BLANK IN STUDENT COURSE  
NUMBER FIELD 1

RECORD NNN HAS BLANKS IN COMPLETION TIME  
FIELD -- FIELD SET TO ZERO

RECORD NNN HAS BLANKS IN VOLUME FIELD

RECORD NNN HAS UNDISTINGUISHABLE TYPE  
CODE -- RECORD IGNORED

RECORD NNN HAS COURSE NUMBER TROUBLE

RECORD NNN HAS NNN UNRECOVERABLE ERRORS --  
RECORD IGNORED

Study Guide:

RECORD NNN HAS BAD QUALITY -- RECORD IGNORED

RECORD NNN HAS A BLANK IN STUDENT COURSE  
NUMBER FIELD 1

RECORD NNN HAS BLANKS IN COMPLETION TIME  
FIELD -- FIELD SET TO ZERO

RECORD NNN HAS BLANKS IN SEGMENT FIELD

RECORD NNN HAS BLANKS IN VOLUME FIELD

RECORD NNN HAS COURSE NUMBER TROUBLE

RECORD NNN HAS NNN UNRECOVERABLE ERRORS --  
RECORD IGNORED

For other processing errors refer to Appendix  
C - Error Messages.

A380-670-52

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

SECTION 4

STEP IV (continued)

PROGRAM

CONTROL: This program accepts the following job  
control card in Deck 2:

1  
((MARK-SENSE

SAMPLE DECK  
SETUP: CTIO CONTROL DECK FOR OPTICAL SCANNER  
RESPONSE TAPE CONVERSION

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓

// EXEC CTIOMAIN (OR NYITCTIOMAIN)  
((MARK-SENSE  
/\*  
/g

STEP V

PROGRAM ID: CONVERTED STUDENT RESPONSE TAPE SORT

ABSTRACT: This program sorts the converted Student Response tape (created in Step IV), in order of Volume, Course Student Number, Segment, and Type using the IBM SORT/MERGE Utility Program (Deck 3).

CRITERIA: SCRATCH TAPE shall be clean to avoid incorrect record length difficulties.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - SORT/MERGE UTILITY DECK

UNSORTED STUDENT RESPONSE TAPE mounted on 181.

OUTPUT TAPE mounted on 180.

WORK DISK 000002 loaded on 192.

RUN: Program reads the cards from the card reader and produces a sorted Student Response Tape for AIMS processing.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

SECTION 5

AIMS III MASTER RESPONSE FILE CREATION

## AIMS III MASTER RESPONSE FILE CREATION

### A. GENERAL INFORMATION

The Master Response File contains all the student responses received to date for a particular course.

### B. CRITERIA

The Master Response File shall be uniquely labeled.

STEP I

PROGRAM ID: MASTER RESPONSE FILE INITIALIZATION

ABSTRACT: This program, using the sorted Student Response tapes (created either by the OpScan pre-processor or the CTIO program), initializes a Master Response File, by executing the Tape-to-Tape Utility Program (TTP) Deck 4.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.  
CARD READER - Tape-to-Tape Utility Program  
SORTED RESPONSE TAPE mounted on 180.  
OUTPUT TAPE mounted on 181.

RUN: Program reads the cards from the card reader, sorts in the student response tape, and produces a Master Response File.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

A580-670-60

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

SECTION 5

---

STEP II

PROGRAM ID: MASTER RESPONSE FILE UPDATING

ABSTRACT: This program, using a sorted Student Response tape, updates the Master Response file with current response information, by executing Deck 5 - AIMS Master File Updating - SORT Program.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMS Master File Updating Sort Program.

SORTED STUDENT RESPONSE TAPE mounted on 180.

MASTER RESPONSE TAPE mounted on 181.

WORK DISK PACK loaded on 192.

RUN: Program reads the cards from the card reader, sorts in the Student Response tape, and updates the Master Response File.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.



SECTION 6

AIMS III REPORT GENERATOR

## AIMS III REPORT GENERATOR

### A. GENERAL INFORMATION

The Report Generator is an independent off-line report producing system, the main program of which is phased and stored in the core image library. This section sets forth the instructions necessary to produce reports. For Report Formats refer to Appendix G.

### B. CRITERIA

1. Both a Sorted Student Response tape and the Master Response file may be used with the output generator to produce reports. To save processing time, the Master Response File should only be used when all of the responses required are not on the basic sorted Student Response tape.
2. Reports can be produced for every test within a lesson by using one Report Request Deck. However, the processing of more than one volume within the same deck is not permitted.

STEP I

PROGRAM ID: REPORT GENERATION

ABSTRACT: This program, utilizing Deck 6 - Report Request Deck, initializes all output functions. Report data is made available by accessing and processing main programs, Student Response Files, or the Master Response File, previously created by the AIMS System. A Report Number Control card, followed by a Report Content card (Card Layout 7) calls in the necessary report producing subprograms to produce the desired report number output.

INPUT  
CRITERIA: Certain reports require data unique only to those reports. A Special Data card, containing no special format, is used in the Report Request Deck for this purpose.

SETUP: PRINTER - Standard Paper (14 7/8") and control tape.

CARD READER - Standard Report Request Deck. Report Number, Job Control Card, Report Content Card, and Special Data Card deck (if any).

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

SORTED STUDENT RESPONSE TAPE (or Master Response File) mounted on 180.

RUN: Program reads the cards from the card reader. The Report Number card, when read, instructs the program as to which reports are being requested. The program selects the first report requested, reads the Report Content card, which describes the particular lesson, segment, type the report is for, and extracts the proper data from the appropriate AIMS files. The program then organizes the data for output, and transmits it to either printer or tape as required.

A380-670-66

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

SECTION 6

---

STEP I (continued)

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

PROGRAM  
CONTROL:

The following job control card is accepted in Deck 6 to request generation of specific reports:

1 8

((REPORT

Starting with column 11, each two digit number represents a report number.

Following the Report Number job control card, a Report Content card, for each report selected, must be present in order of report number.

SAMPLE DECK  
SETUP:

STANDARD REPORT REQUEST DECK

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓  
// EXEC REPTAIMS  
((REPORT NUMBER CARD  
REPORT CONTENT CARD  
SPECIAL DATA CARDS (IF ANY)

/\*  
/¶

STEP I (continued)

SAMPLE DECK  
SETUP:

REPORT REQUEST DECK FOR REPORT NO. 7

// JOB 210012  
// ASSGN,DLBL,TLBL&EXTENT CARDS



// EXEC REPTAIMS  
(REPORT 07  
REPORT CONTENT CARDS  
(SPECIAL DATA) CUTOFF LEVEL CARDS



/\*DELIMITER CARD  
(SPECIAL DATA) STUDENT & SESSION MAX CARD  
(SPECIAL DATA) PROF & LOCATION CARDS

/\*  
/&

APPENDIX A

Sample Deck Setups

The following deck setups include most possibilities and all existing copies of JCS at the time of this writing.

| <u>Control Deck No.</u> | <u>Type</u>   | <u>Page</u> |
|-------------------------|---|-------------|
| 1                       | Physics 4001 L.I. Spring Semester<br>Input Student Background cards     | 71          |
| 2                       | Physics 4001 L.I. Spring Semester<br>Input Student Response cards       | 72          |
| 3                       | Physics 4001 L.I. Spring Semester<br>Produce Report #1                  | 73          |
| 4                       | Physics 4001 L.I. Spring Semester<br>Produce Report #15                 | 74          |
| 5                       | Physics 4001 N.Y. Spring Semester<br>Input Student Background cards     | 75          |
| 6                       | Physics 4001 N.Y. Spring Semester<br>Input Student Response cards       | 76          |
| 7                       | Physics 4001 N.Y. Spring Semester<br>Produce Report #1                  | 77          |
| 8                       | Physics 4001 N.Y. Spring Semester<br>Produce Report #15                 | 78          |
| 9                       | Math 3012 N.Y.I.T. Fall Semester<br>Transfer Header Cards to Tape       | 79          |
| 10                      | Math 3012 N.Y.I.T. Fall Semester<br>Store Headers in Header File        | 80          |
| 11                      | Math 3012 N.Y.I.T. Fall Semester<br>Produce Report #11                  | 81          |
| 12                      | Bowie College Math 3012 Fall Semester<br>Input Student Background cards | 82          |

A580-670-70

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

APPENDIX A (continued)

| <u>Control Deck No.</u> | <u>Type</u>  | <u>Page</u> |
|-------------------------|--|-------------|
| 13                      | Bowie College Math 3012 Fall Semester Input Question-Information (MBO) cards | 83          |
| 14                      | Bowie College Math 3012 Fall Semester Produce Report #1                      | 84          |
| 15                      | NAVY Physics S211 Fall Semester Input Student Background cards               | 85          |
| 16                      | NAVY Physics S211 Fall Semester Produce Report #1                            | 86          |
| 17                      | NAVY Physics S211 Fall Semester Produce Report #7                            | 87          |
| 18                      | NAVY Physics S211 Fall Semester Produce Report #15                           | 88          |

DECK 1

Physics 4001 L.I. Spring Semester  
Input Student Background Cards

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000006,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000006,1,0,1070,9
// EXEC AHEWMAIN
((STUDENT-INPUT
*   *   *   *   *   *   *   *   *   *   *
*
* STUDENT BACKGROUND CARDS IN DESIRED COURSE STUDENT
* NUMBER ORDER
*
*   *   *   *   *   *   *   *   *   *   *
/*
/8
```



A380-670-72

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 2

Physics 4001 L.I. Spring Semester  
Input Student Response Cards

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000006,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000006,1,0,1070,9
// EXEC NYITCTIO
((CARDS STUDENT01 5 04
*   *   *   *   *   *   *   *   *   *
*
*   STUDENT PORT-A-PUNCH RESPONSE CARDS IN ANY ORDER
*
*   *   *   *   *   *   *   *   *
/*
/8
```

DECK 5

Physics 4001 L.I. Spring Semester  
Produce Report #1

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000006,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000006,1,0,1070,9
// EXEC REPTAIMS
((REPORT 01
01      030101124      4001 L.I.
/*
/8
```

A380-670-74

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 4

Physics 4001 L.I. Spring Semester  
Produce Report #15

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000006,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000006,1,0,1070,9
// EXEC REPTAIMS
((REPORT 15
15      03010112345      4001 L.I.
*      *      *      *      *      *      *      *      *
*
* SAMPLE REPORT CONTENT CARD IS FOR VOLUME 3-SO
* FOLLOWING IT SHOULD BE THE PREVIOUSLY GENERATED
* STUDENT VOLUME STATISTIC CARDS FOLLOWED BY A
* SUFFICIENT NUMBER OF BLANK CARDS FOR PUNCHING
* THE NEW STUDENT VOLUME STATISTIC CARDS.
*
*      *      *      *      *      *      *      *      *
/*
/£
```

DECK 5

Physics 4001 N.Y. Spring Semester  
Input Student Background Cards

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-4001 LI MSTR',,081,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS-TWO',70/365,SD
// EXTENT SYS006,000006,1,0,1110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS-TWO',70/365,SD
// EXTENT SYS009,000006,1,0,1100,9
// EXEC AHENMAIN
((STUDENT-INPUT
*   *   *   *   *   *   *   *   *   *   *   *
*
*   STUDENT BACKGROUND CARDS IN DESIRED COURSE STUDENT
*   NUMBER ORDER
*
*   *   *   *   *   *   *   *   *   *   *   *
/*
/6
```

A380-670-76

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 6

Physics 4001 N.Y. Spring Semester  
Input Student Response Cards

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-4001 LI MSTR',,081,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS-TWO',70/365,SD
// EXTENT SYS006,000006,1,0,1110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS-TWO',70/365,SD
// EXTENT SYS009,000006,1,0,1100,9
// EXEC NYITCTIO
((CARD STUDENT01 5 04
* * * * *
*
* STUDENT PORT-A-PUNCH RESPONSE CARDS IN ANY ORDER
*
* * * * *
/*
/£
```

DECK 7

Physics 4001 N.Y. Spring Semester  
Produce Report #1

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-4001 LI MSTR',,081,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS-TWO',70/365,SD
// EXTENT SYS006,000006,1,0,1110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS-TWO',70/365,SD
// EXTENT SYS009,000006,1,0,1100,9
// EXEC REPTAIME
((REPORT 01
01          030101124          4001 N.Y.
/*
/6
```

A380-670-78

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 8

Physics 4001 N.Y. Spring Semester  
Produce Report #15

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-4001 LI MSTR',,081,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS-TWO',70/365,SD
// EXTENT SYS006,000006,1,0,1110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS-TWO',70/365,SD
// EXTENT SYS009,000006,1,0,1100,9
// EXEC REPTAIMS
((REPORT 15
15      03010111345      4001 N.Y.
*      *      *      *      *      *      *      *      *      *
*
* SAMPLE REPORT CONTENT CARD IS FOR VOLUME 3-SO FOLLOWING *
* IT SHOULD BE THE PREVIOUSLY GENERATED STUDENT VOLUME *
* STATISTIC CARDS FOLLOWED BY A SUFFICIENT NUMBER OF BLANK*
* CARDS FOR PUNCHING THE NEW STUDENT VOLUME STATISTIC CARDS
*
*      *      *      *      *      *      *      *      *      *
/*
/8
```

DECK 9

Math 3012 N.Y.I.T. Fall Semester  
 Transfer Header Cards to Tape

```
// JOB 210012 AIMS MATH 3012 NYIT
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000009,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000009,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000009,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000009,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000009,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000009,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000009,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000009,1,0,1070,9
// EXEC CTIOMAIN
((CARDS HEADER 30 5 04
*      *      *      *      *      *      *      *      *      *
*
*  HEADER PORT-A-PUNCH CARDS MUST BE ADDED TO THE FILE IN *
*  WHOLE VOLUME UNITS.  THE ONLY EXCEPTIONS ARE UPDATE *
*  CARDS WHICH MAY BE USED TO CHANGE ANSWERS ONLY *
*
*      *      *      *      *      *      *      *      *      *
/*
/£
```



A380-670-80

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 10

Math 3012 N.Y.I.T. Fall Semester  
Store Headers In Header File

```
// JOB 210012 AIMS MATH 3012 NYIT
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000009,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000009,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000009,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000009,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000009,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000009,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000009,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000009,1,0,1070,9
// EXEC AHEWMAIN
((HEADER-CHECK
((HEADER-STORE
/*
/&
```

DECK 11

Math 3012 N.Y.I.T. Fall Semester  
Produce Report #11

```
// JOB 210012 AIMS MATH 3012 NYIT
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000009,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000009,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000009,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000009,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000009,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000009,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000009,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000009,1,0,1070,9
// EXEC REPTAIMS
((REPORT 11
11      09050112345      MATH 3012
/*
/&
```

A380-670-82

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 12

Bowie College Math 3012 Fall Semester  
Input Student Background Cards

```
// JOB 210012 AIMS BOWIE COLLEGE
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000007,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000007,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000007,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000007,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000007,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000007,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000007,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000007,1,0,1070,9
// EXEC AHEWMAIN
((STUDENT-INPUT
*      *      *      *      *      *      *      *      *      *
*
*  STUDENT BACKGROUND CARDS IN DESIRED COURSE STUDENT
*  NUMBER ORDER
*
*      *      *      *      *      *      *      *      *      *
/*
/£
```

DECK 13

Bowie College Math 3012 Fall Semester  
Input Question-Information (MBO) Cards

```
// JOB 210012 AIMS BOWIE COLLEGE
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000007,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000007,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000007,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000007,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000007,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000007,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000007,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000007,1,0,1070,9
// EXEC AHEWMAIN
((QUESTION- INFORMATION
*   *   *   *   *   *   *   *   *   *   *
*
*   QUESTION INFORMATION (MBO) DATA CARDS
*
*   *   *   *   *   *   *   *   *   *
/*
/8
```

A380-670-84

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 14

Bowie College Math 3012 Fall Semester  
Produce Report #1

```
// JOB 210012 AIMS BOWIE COLLEGE
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000007,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000007,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000007,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000007,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000007,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000007,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000007,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000007,1,0,1070,9
// EXEC REPTAIMS
((REPORT 01
01          06050112345          BOWIE 3012
/*
/&
```

DECK 15

Navy Physics S211 Fall Semester  
Input Student Background Cards

```
// JOB 210012 AIMS NAVY
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000003,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000003,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000003,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000003,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000003,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000003,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000003,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000003,1,0,1070,9
// EXEC AIMSMAIN
((STUDENT-INPUT
*   *   *   *   *   *   *   *   *   *   *
*
*   STUDENT BACKGROUND CARDS IN DESIRED COURSE STUDENT *
*   NUMBER ORDER                                         *
*
*   *   *   *   *   *   *   *   *   *   *
/*
/6
```

A580-670-86

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 16

Navy Physics S211 Fall Semester  
Produce Report #1

```
// JOB 210012 AIMS NAVY
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000003,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000003,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000003,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000003,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000003,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000003,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000003,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000003,1,0,1070,9
// EXEC REPTAIMS
((REPORT 01
01          010301124          PHYSICS S211
/*
/6
```

DECK 17

Navy Physics S211 Fall Semester  
Produce Report #7

```
// JOB 210012 AIMS NAVY
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000003,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000003,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000003,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000003,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000003,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000003,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000003,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000003,1,0,1070,9
// EXEC REPTAIMS
((REPORT 07
07 100301124 PHYSICS S211
* * * * *
*
* SPECIAL DATA FOR REPORT 7 MUST BE INCLUDED IN THE FOL-
* LOWING ORDER -
* 1. CUT-OFF LEVEL CARDS
* 2. DELIMITER CARD
* 3. MAXIMUM NUMBER OF STUDENTS AND SESSIONS
* 4. PROFESSORS AND RESPECTIVE SESSION LOCATIONS
*
* * * * *
/*
/8
```



A380-670-88

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 18

Navy Physics S211 Fall Semester  
Produce Report #15

```
// JOB 210012 AIMS NAVY
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS10
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000003,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000003,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000003,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000003,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000003,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000003,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000003,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000003,1,0,1070,9
// EXEC REPTAIMS
((REPORT 15
15          040301124          PHYSICS S211
*      *      *      *      *      *      *      *      *      *
*
* SAMPLE REPORT CONTENT CARD IS FOR VOLUME 4-SO FOL- *
* LOWING IT SHOULD BE THE PREVIOUSLY GENERATED      *
* STUDENT VOLUME STATISTIC CARDS FOLLOWED BY A SUFF-  *
* FICIENT NUMBER OF BLANK CARDS FOR PUNCHING THE NEW *
* STUDENT VOLUME STATISTIC CARDS.                    *
*
*      *      *      *      *      *      *      *      *      *
/*
/8
```

APPENDIX B

Tables

| <u>Table Number</u> | <u>Title</u>                           | <u>Page</u> |
|---------------------|--|-------------|
| 1                   | AIMS Input Requirements<br>by Priority | 91          |
| 2                   | Peripheral Unit Config-<br>urations    | 92          |

AIMS INPUT REQUIREMENTS  
by  
PRIORITY

| <u>Type</u> | <u>Content</u>      | <u>Source</u>      | <u>Priority</u> |
|-------------|---------------------|--------------------|-----------------|
| System      | Student Background  | Cards or Tape      | (1)             |
|             | Course Header       | Porta-Punch        | (1)             |
|             | Question Descriptor | Cards or Tape      | (2)             |
| Operational | Student Response    | Porta-Punch/OpScan | (2)             |

# AINS VERSION III 360/50 PERIPHERAL UNIT CONFIGURATIONS

|  | X'180' | X'181'                  | X'182'                  | X'185' | X'190' | X'191' | X'192' |
|--|--------|-------------------------|-------------------------|--------|--------|--------|--------|
| A.<br>Background<br>Cards                      |        |                         |                         |        |        | CDP    |        |
| B.<br>Header Cards<br>Step #1                  |        | Header<br>Input<br>Tape |                         |        |        | CDP    |        |
| Header Cards<br>Step #2                        |        | Scratch<br>Work<br>Tape | Header<br>Input<br>Tape |        |        | CDP    |        |
| C.<br>Question<br>(MBO)<br>Descriptor<br>Cards |        |                         |                         |        |        | CDP    |        |

# AINS VERSION III 500/50 PERIPHERAL UNIT CONFIGURATIONS (cont'd)

1580-670-95  
TABLE 2  
(continued)

|  | X'180'                                       | X'181'                              | X'182'             | X'183'                              | X'190'  | X'191' | X'192'          |
|--|--|-------------------------------------|--------------------|-------------------------------------|---------|--------|-----------------|
| D.                                       |  |                                     |                    |                                     |         |        |                 |
| Port-a-Punch<br>Cards<br>Step #1         |  | Unsorted<br>Response<br>Tape        |                    |                                     |         | CDP    |                 |
| Sort Response<br>Tape<br>Step #2         | Sortout<br>Sorted<br>Tape                    | Sortin<br>Unsorted<br>Tape          |                    |                                     |         | CDP    |                 |
| Master<br>Response Tape<br>Step #3       | Sortin<br>Sorted<br>Tape                     | Sortin &<br>Sortout<br>Master       |                    |                                     |         |        |                 |
| E.                                       |  |                                     |                    |                                     |         |        |                 |
| OpScan Shoots<br>Tape-to-Tape            | Sorted<br>Response<br>Tape                   | Study<br>Guide<br>Tape              | Scratch<br>Tape #1 | Pre & Post<br>Test Type             | DOSRIIS | CDP    | WORK<br>Disk 02 |
| Unscramble<br>Pre, Post &<br>Study Guide | Sorted<br>Response<br>Tape                   | Scratch<br>Tape #2                  | Scratch<br>Tape #1 | Scratch<br>Tape #3                  |         |        |                 |
| Sort                                     | <u>Sortout</u><br>Sorted<br>Response<br>Tape | <u>Sortin</u><br>Scratch<br>Tape #2 |                    | <u>Sortin</u><br>Scratch<br>Tape #3 |         |        |                 |
| F.                                       |  |                                     |                    |                                     |         |        |                 |
| Output<br>Reports                        | Sorted<br>Response<br>Tape                   |                                     |                    |                                     |         | CDP    |                 |

APPENDIX C

Error Messages

The AIMS III System input and update portion utilizes a structure of numbered error messages. The message is a single line with a general form of:

\*\*\*AIMS ERROR\*\*\*ROUTINE (routine name) SEV. (severity code) No. (error number) (up to five pieces of data) JOB (job name) (date and time)

The items in brackets vary with each type of error. The routine name is the AIMS III function being used. The severity code only has meaning on a zero or one numeric basis, a plus one code will provide a core dump and terminate the AIMS run, a zero code will return to the function and attempt to continue. The error message definitions are supplied below:

Error Messages

| <u>Name</u> | <u>Severity Code</u> | <u>#</u> |
|-------------|----------------------|----------|
|-------------|----------------------|----------|

|            |   |   |
|------------|---|---|
| <u>MBO</u> | 0 | 1 |
|------------|---|---|

The Header File is empty and the attempt to input MBO question information has been halted. The header information has to be loaded into the file prior to any MBO input.

|            |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|
| <u>MBO</u> | 0 | 2 | A | B | C | D |
|------------|---|---|---|---|---|---|

Record No. A of the input has a lesson number (B) not contended in the Header File. The segment and type of the record is C and D respectively. Check card and content of Header File.

|            |   |   |   |   |   |
|------------|---|---|---|---|---|
| <u>MBO</u> | 0 | 3 | A | B | C |
|------------|---|---|---|---|---|

Record No. A of the input has a question number (C) greater than the largest allowed (B) by the Header File. Check card input and content of Header File.

|            |   |   |   |   |   |
|------------|---|---|---|---|---|
| <u>MBO</u> | 0 | 4 | A | B | C |
|------------|---|---|---|---|---|

Record No. A of the input has a T.O. (B) which is either less than zero or greater than 200. The MBO (C) can also be less than zero.

|            |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|
| <u>MBO</u> | 0 | 5 | A | B | C | D |
|------------|---|---|---|---|---|---|

Record No. A of the input with lesson number (B) does not have the requested segment number (C) or type (D) in the Header File. Check card and contents of Header File.

A380-670-98

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

Error Messages

| <u>Name</u>   | <u>Severity Code</u> | <u>#</u> |   |   |   |   |
|---|----------------------|----------|---|---|---|---|
| <u>HEADER</u>   | 0                    | 3        | A | B | C |   |
| A Delete Record for Lesson A, Segment B, Type C in the Temporary File was submitted, but no match was found. The record is ignored, and the condition code set to STOP. |                      |          |   |   |   |   |
| <u>HEADER</u>   | 0                    | 4        | A | B | C |   |
| A header record for Lesson A, Segment B, Type C was submitted but the question number was less than 1. The record is ignored, and condition code becomes stop.          |                      |          |   |   |   |   |
| <u>HEADER</u>   | 0                    | 5        | A | B | C |   |
| A header record for Lesson A, Segment B, Type C was submitted, but there are already 400 headers in the file. The record is ignored and condition code becomes stop.    |                      |          |   |   |   |   |
| <u>HEADER</u>   | 0                    | -1       | A | B | C |   |
| This is programmer error. Contact the systems programmer.   |                      |          |   |   |   |   |
| <u>HEADER</u>   | 0                    | 6        | A | B | C | D |
| Record J in the Temporary File is the same in Lesson B, Segment C, and Type D as the previous record. The condition code is set to stop.                                |                      |          |   |   |   |   |



Error Messages

| <u>Name</u>   | <u>Severity</u> | <u>Code</u> | <u>#</u> |   |   |   |  |
|---------------|-----------------|-------------|----------|---|---|---|--|
| <u>HEADER</u> | 0               | 7           | A        | B | C | D |  |

The record for Lesson A, Segment B, Type C is the Dth record in this lesson. There must be less than 11 records per lesson. The condition code becomes stop.

|               |   |   |   |   |   |  |
|---------------|---|---|---|---|---|--|
| <u>HEADER</u> | 0 | 8 | A | B | C |  |
|---------------|---|---|---|---|---|--|

Record A in the Temporary File should have been for Lesson B, but the Lesson number was C. The condition code is stop.

|              |   |   |  |  |  |  |
|--------------|---|---|--|--|--|--|
| <u>STORE</u> | 0 | 1 |  |  |  |  |
|--------------|---|---|--|--|--|--|

An attempt was made to store the temporary file but the condition code was STOP. A listing of the files is provided.

|              |   |    |   |   |   |   |
|--------------|---|----|---|---|---|---|
| <u>STORL</u> | 1 | .1 | A | B | C | D |
|--------------|---|----|---|---|---|---|

We ran out of room on the question file while attempting to store the header records in the Permanent File. The job is aborted. Contact

|               |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|
| <u>HEADER</u> | 0 | 1 | A | B | C | D |
|---------------|---|---|---|---|---|---|

An update for record A in the Permanent file (of Lesson B, Segment C, and Type D) was submitted, but the record doesn't match on either course, # of cards to make the record single or double, or # of questions. The update record is ignored.

|               |   |   |   |   |   |  |
|---------------|---|---|---|---|---|--|
| <u>HEADER</u> | 0 | 2 | A | B | C |  |
|---------------|---|---|---|---|---|--|

An update card for Lesson A, Segment B, Type C was submitted, but no such record was found in the permanent file. The update record is ignored.

A380-670-100

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

Error Messages

| <u>Name</u>  | <u>Severity Code</u> | <u>Number</u> |   |   |   |
|--|----------------------|---------------|---|---|---|
| <u>INPUT</u>   | 0                    | 1             | A | B |   |
| Record No. A of the input deck, is an update record, but Student No. B is not in the file. Record is ignored.  |                      |               |   |   |   |
| <u>INPUT</u>   | 0                    | 2             | A | B | C |
| Record No. A of the input deck is an update record, but the Name field doesn't agree with that in the file for Student No. B. The mismatch is in word C. Record is ignored.  |                      |               |   |   |   |
| <u>INPUT</u>   | 0                    | 3             | A | B |   |
| Record No. A of the input deck was to add a student, but there are already B students enrolled in the course (though some may have been dropped). A listing of the file is provided, and the AIMS monitor resumes control. |                      |               |   |   |   |
| <u>DROP</u>  | 0                    | 1             | A | B | C |
| Record No. A of the input deck, a drop record, has invalid student number B. There are C records in the file, thus student number should be between 1 and 6 inclusive. The record is ignored.                              |                      |               |   |   |   |
| <u>DROP</u>  | 0                    | 2             | A | B | C |
| Record No. A of the input deck is a drop record for Student number B, who has already been dropped. The record is ignored.   |                      |               |   |   |   |
| <u>DROP</u>  | 0                    | 3             | A | B | C |
| Record No. A of the input deck is a drop record for student number B, but the names do not match in word C.  |                      |               |   |   |   |

APPENDIX D

Control and Utility Decks

| <u>Deck Number</u> | <u>Title</u>                         | <u>Page</u> |
|--------------------|--------------------------------------|-------------|
| 1                  | Clear Disk Utility Deck              | 103         |
| 2                  | Standard AIMSMAIN Control Deck       | 104         |
| 3                  | CTIO Control Deck                    | 105         |
| 4                  | I.B.M. Sort/Merge Utility Deck       | 106         |
| 5                  | AIMS Master Response (TPTP) Deck     | 107         |
| 6                  | AIMS Master Response - Updating Deck | 108         |
| 7                  | Standard Report Request Deck         | 109         |

DECK 1

Clear Disk Utility Deck

The following deck is used to perform the clear disk function in initialization:

```
// JOB NAME
// DLBL VOV, 'SYSTEM FILE-AIMS', 70/365, 30
// EXTENT SYS009, 000003, 1, 1070, 9
// EXEC CLRDSK
// VCL B=(K=0, DF100), X'00'0Y
// END
/*
/6
```

A380-670-104

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 2

Standard AIMSMAN Control Deck

All AIMS functions except those directly related to binary card reading, sorting or report generation, are executed with the following deck structure:

AIMSMAN

```
// JOB 606 210012 TEST AIMS EXECUTION
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000003,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000003,1,0,690,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000003,1,0,750,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000003,1,0,800,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000003,1,0,110,9
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000003,1,0,120,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000003,1,0,1050,19
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000003,1,0,1070,9
// EXEC AIMSMAN
```

(AIMS JOB CONTROL CARDS)

(DATA DECK IF ANY)

/\*  
/¶

CTIO Control Deck

The CTIO Control Deck must be used for functions involving the reading of binary cards.

The deck is simply constructed from the AIMS Control Deck by the following card replacement:

in place of:           //EXEC AIMSMAIN

place:                 //EXEC CTIOMAIN

AIMS control cards are also replaced by the appropriate CTIO cards as described in the text.

A380-670-106

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 4

IBM Sort/Merge Routine

```
// JOB 210012 SORT FOR STUDENT PERFORMANCE TAPE
// ASSGN SYS001,X'182'
// ASSGN SYS002,X'181'
// ASSGN SYS003,X'191'
// DLBL SORTWK1,,68/001
// EXTENT SYS003,000002,1,0,10,1500
// EXEC SORT
  SORT FIELDS=(9,2,A,11,2,A,13,2,A),FORMAT=FI,WORK=1
  RECORD TYPE=F,LENGTH=(138)
  OPTION LABEL=(U,U,S)
END
/*
// ASSGN SYS001,X'183'
// ASSGN SYS002,X'182'
// ASSGN SYS003,X'180'
// TLBL SORTOUT,'AIMS-STUDENT DATA',,67,1,1,1,3
// EXEC SORT
  MERGE FIELDS=(9,2,A,11,2,A,13,2,A),FORMAT=FI,FILES=2
  RECORD TYPE=F,LENGTH=(138)
  OPTION LABEL(S,U,U)
END
/*
/6
```

DECK 5

AIMS Master Response (TPTP) Deck

The deck structure for the creation of an AIMS  
Student Master File:

Program: TPTP

Deck:           // JOB 210012  
                  // ASSGN SYS004,X'180'  
                  // ASSGN SYS005,X'181'  
                  // TLBL UOUT,'\*\*SEE NOTE1',70/365,\*\*2,1,1,13  
                  // TLBL UIN,'AIMS-STUDENT DATA',70/365,\*\*2,1,1,1,3  
                  // EXEC TPTP  
                  // UTT TC,FU,A=(138),B=(138),IU,ON,R1  
                  // END  
                  /&

\*\* NOTE1, Unique tape label.  
   NOTE2, Unique tape number.



A380-670-108

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

DECK 6

AIMS Master Response Update Deck

Updating an AIMS Master File

Program: SORT

```
Deck:      // JOB 210012
            // ASSGN SYS001,X'181'
            // ASSGN SYS002,X'180'
            // ASSGN SYS003,X'181'
            // TLBL SORTOUT,**NOTE1
            // TLBL SORTIN1,'AIMS-STUDENT DATA',70/365,**NOTE2,
            //      1,1,1,3
            // TLBL SORTIN2,**NOTE1
            // DLBL SORTWK1,68/001
            // EXTENT SYS004,000002,1,,50,1500
            // EXEC SORT
            SORT FIELDS=(9,10,B1,A),WORK=1,SIZE=1800,FILES=2
            RECORD TYPE=F,LENGTH=138
            INPFIL CLOSE=UNLD
            OUTFIL BLKSIZE=138,CLOSE=UNLD
            OPTION LABEL=(S,S,S,S)
            END
            /&
```

\*\* NOTE1, This tape label should be identical to the one which created the master file.

NOTE2, Unique tape number.

DECK 7

Standard Report Request Deck

```
// JOB 210012
// ASSGN,DLBL,TLBL,&EXTENT CARDS

// EXEC REPTAIMS
  ((REPORT NUMBER CARD
  REPORT CONTENT CARD
  SPECIAL DATA CARDS (IF ANY)

/*
/ &
```

APPENDIX E

Card and Form Layouts

| <u>Layout Number</u> | <u>Title</u>                           | <u>Page</u> |
|----------------------|--|-------------|
| 1                    | Student Background and Enrollment Card | 113         |
| 2                    | Student Drop Card                      | 114         |
| 3                    | Course Header Card                     | 115         |
| 4                    | Question (MBO) Descriptor Card         | 116         |
| 5                    | Student Response Port-a-Punch Card     | 117         |
| 6                    | Student Response OpScan Form           | 118         |
| 7                    | Report Content Card                    | 119         |

LAYOUT 1

Student Background and Enrollment Card

| <u>Column Number</u> | <u>Heading</u>         |
|----------------------|------------------------|
| 1-25                 | Student Name           |
| 26-34                | Social Security Number |
| 35-37                | SAT - Math             |
| 38-40                | SAT - Verbal           |
| 41,42                | Average                |
| 43                   | Rank                   |
| 44,45                | Elementary Algebra     |
| 46,47                | Geometry               |
| 48,49                | Trigonometry           |
| 50,51                | Intermediate Algebra   |
| 52,53                | Calculus               |
| 54,55                | Physics                |
| 56-58                | I.Q.                   |
| 59,60                | Reading                |
| 61-63                | Blank                  |
| 64-75                | Comments               |
| 76,77                | Course                 |
| 78-80                | Student Number         |

A380-670-114

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

LAYOUT 2

Student Drop Card

| <u>Column Number</u> | <u>Heading</u> |
|----------------------|----------------|
| 1-20                 | Student Name   |
| 21-77                | Blank          |
| 78-80                | Student Number |

Course Header Card

| <u>Column Number</u> | <u>Heading</u>       |
|----------------------|----------------------|
| 2,6,8                | Number of Selections |
| 24,26                | Number of Questions  |
| 42,44                | Course Number        |
| 48,50                | Sequence Number      |
| 54,56                | Type Number          |
| 60,62                | Volume Number        |
| 66,68                | Segment Number       |
| 80                   | Single or Double     |

A380-670-116

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

LAYOUT 4

Question (MBO) Descriptor Card

| <u>Column Numbers</u> | <u>Heading</u>    |
|-----------------------|-------------------|
| 1,2                   | Volume Number     |
| 3                     | Segment Number    |
| 4,5,6                 | TO Number         |
| 7,8                   | EO Number         |
| 9-42                  | MBO Description   |
| 43,44                 | Learning Category |
| 48                    | Type              |
| 49,50                 | Question Number   |
| 51                    | Correct Answer    |
| 52-78                 | Prescription      |
| 79,80                 | Course Number     |

Port-a-Punch Student Response Card

| <u>Column Number</u>                         | <u>Heading</u>              |
|--|-----------------------------|
| 2,6,8  | CSN (Course Student Number) |
|  | Date                        |
| 12,14  | Month                       |
| 18,20  | Day                         |
| 24,26  | Year                        |
|  | Completion Time             |
| 30,32  | Hours                       |
| 36,38  | Minutes                     |
| 42,44  | Course Number               |
| 48,50  | Sequence Number             |
| 54,56  | Type                        |
| 60,62  | Volume                      |
| 66,68  | Segment                     |
| 72,74,76,78,80                               | Student I.D. Number         |
| Shaded Columns<br>Between Columns<br>of Data | Responses                   |

The students answer to each question is punched in the shaded columns on the card.



A380-670-118

ADVANCED SYSTEMS LABORATORY  
AIMS III OPERATOR'S GUIDE

---

LAYOUT 6

Student Response OpScan Form

DATA CONTENT

Student Name

Date

Social Security Number

Course Number

Completion Time

Volume

Segment

Type

Page Number

The student fills in the answer by marking the appropriate box (multiple choice) with a dark pencil.

Report Content Card

| <u>Column Number</u> | <u>Heading</u>                                    |
|----------------------|---|
| 1,2                  | Specific Report Number Requested                  |
| 10,11                | Segment (Week, Volume, Lesson or Unit Number)     |
| 12,13                | Highest Segment Number (in above)                 |
| 14,15                | Section Information Number                        |
| 16-20                | Test Type Numbers Referred to in Requested Report |
| 30-42                | Course Name                                       |

This card follows the Report Number Card in the Request Deck. Some information is not required for every report. In those cases, blanks may be left for non-essential information.

APPENDIX F

Post-Run Procedure

1. All files shall be labeled.
2. A back-up tape shall be made of the Master Response File.
3. All OpScan Response Forms, control decks, and programs shall be given to the Data Control Clerk for check-out and filing.

APPENDIX G

Output Listings and Report Formats

| <u>Title</u>  | <u>Page</u> |
|---|-------------|
| AIMS Course Description   | 125         |
| AIMS Course Roster  | 126         |
| AIMS MBO Listing  | 127         |
| AIMS Question Listing   | 128         |
| Report No. 1 - Individual Student Performance Analysis                                  | 129         |
| Report No. 4 - Histogram  | 132         |
| Report No. 5 - Course Structure   | 133         |
| Report No. 6 - Item Analysis  | 134         |
| Report No. 7 - Group Remedial Instruction   | 135         |
| Report No. 11 - Volume Submittal Review   | 140         |
| Report No. 12 - Class Roster  | 141         |
| Report No. 13 - Group Statistics for Report 14  | 142         |
| Report No. 14 - Volume Statistics/Individual Statistics<br>for Harvey Pollack's Indices | 143         |
| Report No. 15 - Volume Summary  | 144         |

\*\*\* AIMS COURSE DESCRIPTION \*\*\*  
PERMANENT FILEJDR 210012 10/06/69 11.34.06  
PAGE 1

| COURSE 21  |   | LESSON 1           |   | SEGMENT 1 |   | TYPE 1 |   | CONSISTS OF 1 CARD. |   | RECORD 1 |   |
|--|---|--------------------|---|-----------|---|--------|---|---------------------|---|----------|---|
| THERE ARE 12 QUESTIONS, EACH OF UP TO 5 ANSWERS. |   | 12 WILL BE GRADED. |   | 8         |   | 9      |   | 10                  |   | 11       |   |
| 1  | A | 2                  | A | 3         | A | 4      | A | 5                   | A | 6        | A |
| 12   | A | 13                 | A | 14        | A | 15     | A | 16                  | A | 17       | A |
| 18   | A | 19                 | A | 20        | A | 21     | A | 22                  | A | 23       | A |
| 24   | A | 25                 | A | 26        | A | 27     | A | 28                  | A | 29       | A |
| 30   | A | 31                 | A | 32        | A | 33     | A | 34                  | A | 35       | A |
| 36   | A | 37                 | A | 38        | A | 39     | A | 40                  | A | 41       | A |
| 42   | A | 43                 | A | 44        | A | 45     | A | 46                  | A | 47       | A |
| 48   | A | 49                 | A | 50        | A | 51     | A | 52                  | A | 53       | A |
| 54   | A | 55                 | A | 56        | A | 57     | A | 58                  | A | 59       | A |
| 60   | A | 61                 | A | 62        | A | 63     | A | 64                  | A | 65       | A |
| 66   | A | 67                 | A | 68        | A | 69     | A | 70                  | A | 71       | A |
| 72   | A | 73                 | A | 74        | A | 75     | A | 76                  | A | 77       | A |
| 78   | A | 79                 | A | 80        | A | 81     | A | 82                  | A | 83       | A |
| 84   | A | 85                 | A | 86        | A | 87     | A | 88                  | A | 89       | A |
| 90   | A | 91                 | A | 92        | A | 93     | A | 94                  | A | 95       | A |
| 96   | A | 97                 | A | 98        | A | 99     | A | 100                 | A | 101      | A |
| 102  | A | 103                | A | 104       | A | 105    | A | 106                 | A | 107      | A |
| 108  | A | 109                | A | 110       | A | 111    | A | 112                 | A | 113      | A |
| 114  | A | 115                | A | 116       | A | 117    | A | 118                 | A | 119      | A |
| 120  | A | 121                | A | 122       | A | 123    | A | 124                 | A | 125      | A |
| 126  | A | 127                | A | 128       | A | 129    | A | 130                 | A | 131      | A |
| 132  | A | 133                | A | 134       | A | 135    | A | 136                 | A | 137      | A |
| 138  | A | 139                | A | 140       | A | 141    | A | 142                 | A | 143      | A |
| 144  | A | 145                | A | 146       | A | 147    | A | 148                 | A | 149      | A |
| 150  | A | 151                | A | 152       | A | 153    | A | 154                 | A | 155      | A |
| 156  | A | 157                | A | 158       | A | 159    | A | 160                 | A | 161      | A |
| 162  | A | 163                | A | 164       | A | 165    | A | 166                 | A | 167      | A |
| 168  | A | 169                | A | 170       | A | 171    | A | 172                 | A | 173      | A |
| 174  | A | 175                | A | 176       | A | 177    | A | 178                 | A | 179      | A |
| 180  | A | 181                | A | 182       | A | 183    | A | 184                 | A | 185      | A |
| 186  | A | 187                | A | 188       | A | 189    | A | 190                 | A | 191      | A |
| 192  | A | 193                | A | 194       | A | 195    | A | 196                 | A | 197      | A |
| 198  | A | 199                | A | 200       | A | 201    | A | 202                 | A | 203      | A |
| 204  | A | 205                | A | 206       | A | 207    | A | 208                 | A | 209      | A |
| 210  | A | 211                | A | 212       | A | 213    | A | 214                 | A | 215      | A |
| 216  | A | 217                | A | 218       | A | 219    | A | 220                 | A | 221      | A |
| 222  | A | 223                | A | 224       | A | 225    | A | 226                 | A | 227      | A |
| 228  | A | 229                | A | 230       | A | 231    | A | 232                 | A | 233      | A |
| 234  | A | 235                | A | 236       | A | 237    | A | 238                 | A | 239      | A |
| 240  | A | 241                | A | 242       | A | 243    | A | 244                 | A | 245      | A |
| 246  | A | 247                | A | 248       | A | 249    | A | 250                 | A | 251      | A |
| 252  | A | 253                | A | 254       | A | 255    | A | 256                 | A | 257      | A |
| 258  | A | 259                | A | 260       | A | 261    | A | 262                 | A | 263      | A |
| 264  | A | 265                | A | 266       | A | 267    | A | 268                 | A | 269      | A |
| 270  | A | 271                | A | 272       | A | 273    | A | 274                 | A | 275      | A |
| 276  | A | 277                | A | 278       | A | 279    | A | 280                 | A | 281      | A |
| 282  | A | 283                | A | 284       | A | 285    | A | 286                 | A | 287      | A |
| 288  | A | 289                | A | 290       | A | 291    | A | 292                 | A | 293      | A |
| 294  | A | 295                | A | 296       | A | 297    | A | 298                 | A | 299      | A |
| 300  | A | 301                | A | 302       | A | 303    | A | 304                 | A | 305      | A |
| 306  | A | 307                | A | 308       | A | 309    | A | 310                 | A | 311      | A |
| 312  | A | 313                | A | 314       | A | 315    | A | 316                 | A | 317      | A |
| 318  | A | 319                | A | 320       | A | 321    | A | 322                 | A | 323      | A |
| 324  | A | 325                | A | 326       | A | 327    | A | 328                 | A | 329      | A |
| 330  | A | 331                | A | 332       | A | 333    | A | 334                 | A | 335      | A |
| 336  | A | 337                | A | 338       | A | 339    | A | 340                 | A | 341      | A |
| 342  | A | 343                | A | 344       | A | 345    | A | 346                 | A | 347      | A |
| 348  | A | 349                | A | 350       | A | 351    | A | 352                 | A | 353      | A |
| 354  | A | 355                | A | 356       | A | 357    | A | 358                 | A | 359      | A |
| 360  | A | 361                | A | 362       | A | 363    | A | 364                 | A | 365      | A |
| 366  | A | 367                | A | 368       | A | 369    | A | 370                 | A | 371      | A |
| 372  | A | 373                | A | 374       | A | 375    | A | 376                 | A | 377      | A |
| 378  | A | 379                | A | 380       | A | 381    | A | 382                 | A | 383      | A |
| 384  | A | 385                | A | 386       | A | 387    | A | 388                 | A | 389      | A |
| 390  | A | 391                | A | 392       | A | 393    | A | 394                 | A | 395      | A |
| 396  | A | 397                | A | 398       | A | 399    | A | 400                 | A | 401      | A |
| 402  | A | 403                | A | 404       | A | 405    | A | 406                 | A | 407      | A |
| 408  | A | 409                | A | 410       | A | 411    | A | 412                 | A | 413      | A |
| 414  | A | 415                | A | 416       | A | 417    | A | 418                 | A | 419      | A |
| 420  | A | 421                | A | 422       | A | 423    | A | 424                 | A | 425      | A |
| 426  | A | 427                | A | 428       | A | 429    | A | 430                 | A | 431      | A |
| 432  | A | 433                | A | 434       | A | 435    | A | 436                 | A | 437      | A |
| 438  | A | 439                | A | 440       | A | 441    | A | 442                 | A | 443      | A |
| 444  | A | 445                | A | 446       | A | 447    | A | 448                 | A | 449      | A |
| 450  | A | 451                | A | 452       | A | 453    | A | 454                 | A | 455      | A |
| 456  | A | 457                | A | 458       | A | 459    | A | 460                 | A | 461      | A |
| 462  | A | 463                | A | 464       | A | 465    | A | 466                 | A | 467      | A |
| 468  | A | 469                | A | 470       | A | 471    | A | 472                 | A | 473      | A |
| 474  | A | 475                | A | 476       | A | 477    | A | 478                 | A | 479      | A |
| 480  | A | 481                | A | 482       | A | 483    | A | 484                 | A | 485      | A |
| 486  | A | 487                | A | 488       | A | 489    | A | 490                 | A | 491      | A |
| 492  | A | 493                | A | 494       | A | 495    | A | 496                 | A | 497      | A |
| 498  | A | 499                | A | 500       | A | 501    | A | 502                 | A | 503      | A |
| 504  | A | 505                | A | 506       | A | 507    | A | 508                 | A | 509      | A |
| 510  | A | 511                | A | 512       | A | 513    | A | 514                 | A | 515      | A |
| 516  | A | 517                | A | 518       | A | 519    | A | 520                 | A | 521      | A |
| 522  | A | 523                | A | 524       | A | 525    | A | 526                 | A | 527      | A |
| 528  | A | 529                | A | 530       | A | 531    | A | 532                 | A | 533      | A |
| 534  | A | 535                | A | 536       | A | 537    | A | 538                 | A | 539      | A |
| 540  | A | 541                | A | 542       | A | 543    | A | 544                 | A | 545      | A |
| 546  | A | 547                | A | 548       | A | 549    | A | 550                 | A | 551      | A |
| 552  | A | 553                | A | 554       | A | 555    | A | 556                 | A | 557      | A |
| 558  | A | 559                | A | 560       | A | 561    | A | 562                 | A | 563      | A |
| 564  | A | 565                | A | 566       | A | 567    | A | 568                 | A | 569      | A |
| 570  | A | 571                | A | 572       | A | 573    | A | 574                 | A | 575      | A |
| 576  | A | 577                | A | 578       | A | 579    | A | 580                 | A | 581      | A |
| 582  | A | 583                | A | 584       | A | 585    | A | 586                 | A | 587      | A |
| 588  | A | 589                | A | 590       | A | 591    | A | 592                 | A | 593      | A |
| 594  | A | 595                | A | 596       | A | 597    | A | 598                 | A | 599      | A |
| 600  | A | 601                | A | 602       | A | 603    | A | 604                 | A | 605      | A |
| 606  | A | 607                | A | 608       | A | 609    | A | 610                 | A | 611      | A |
| 612  | A | 613                | A | 614       | A | 615    | A | 616                 | A | 617      | A |
| 618  | A | 619                | A | 620       | A | 621    | A | 622                 | A | 623      | A |
| 624  | A | 625                | A | 626       | A | 627    | A | 628                 | A | 629      | A |
| 630  | A | 631                | A | 632       | A | 633    | A | 634                 | A | 635      | A |
| 636  | A | 637                | A | 638       | A | 639    | A | 640                 | A | 641      | A |
| 642  | A | 643                | A | 644       | A | 645    | A | 646                 | A | 647      | A |
| 648  | A | 649                | A | 650       | A | 651    | A | 652                 | A | 653      | A |
| 654  | A | 655                | A | 656       | A | 657    | A | 658                 | A | 659      | A |
| 660  | A | 661                | A | 662       | A | 663    | A | 664                 | A | 665      | A |
| 666  | A | 667                | A | 668       | A | 669    | A | 670                 | A | 671      | A |
| 672  | A | 673                | A | 674       | A | 675    | A | 676                 | A | 677      | A |
| 678  | A | 679                | A | 680       | A | 681    | A | 682                 | A | 683      | A |
| 684  | A | 685                | A | 686       | A | 687    | A | 688                 | A | 689      | A |
| 690  | A | 691                | A | 692       | A | 693    | A | 694                 | A | 695      | A |
| 696  | A | 697                | A | 698       | A | 699    | A | 700                 | A | 701      | A |
| 702  | A | 703                | A | 704       | A | 705    | A | 706                 | A | 707      | A |
| 708  | A | 709                | A | 710       | A | 711    | A | 712                 | A | 713      | A |
| 714  | A | 715                | A | 716       | A | 717    | A | 718                 | A | 719      | A |
| 720  | A | 721                | A | 722       | A | 723    | A | 724                 | A | 725      | A |
| 726  | A | 727                | A | 728       | A | 729    | A | 730                 | A | 731      | A |
| 732  | A | 733                | A | 734       | A | 735    | A | 736                 | A | 737      | A |
| 738  | A | 739                | A | 740       | A | 741    | A | 742                 | A | 743      | A |
| 744  | A | 745                | A | 746       | A | 747    | A | 748                 | A | 749      | A |
| 750  | A | 751                | A | 752       | A | 753    | A | 754                 | A | 755      | A |
| 756  | A | 757                | A | 758       | A | 759    | A | 760                 | A | 761      | A |
| 762  | A | 763                | A | 764       | A | 765    | A | 766                 | A | 767      | A |
| 768  | A | 769                | A | 770       | A | 771    | A | 772                 | A | 773      | A |
| 774  | A | 775                | A | 776       | A | 777    | A | 778                 | A | 779      | A |
| 780  | A | 781                | A | 782       | A | 783    | A | 784                 | A | 785      | A |
| 786  | A | 787                | A | 788       | A | 789    | A | 790                 | A | 791      | A |
| 792  | A | 793                | A | 794       | A | 795    | A | 796                 | A | 797      | A |
| 798  | A | 799                | A | 800       | A | 801    | A | 802                 | A | 803      | A |
| 804  | A | 805                | A | 806       | A | 807    | A | 808                 | A | 809      | A |
| 810  | A | 811                | A | 812       | A | 813    | A | 814                 | A | 815      | A |
| 816  | A | 817                | A | 818       | A | 819    | A | 820                 | A | 821      | A |
| 822  | A | 823                | A | 824       | A | 825    | A | 826                 | A | 827      | A |
| 828  | A | 829                | A | 830       | A | 831    | A | 832                 | A | 833      | A |
| 834  | A | 835                | A | 836       | A | 837    | A | 838                 | A | 839      | A |
| 840  | A | 841                | A | 842       | A | 843    | A | 844                 | A | 845      | A |
| 846  | A | 847                | A | 848       | A | 849    | A | 850                 | A | 851      | A |
| 852  | A | 853                | A | 854       | A | 855    | A | 856                 | A | 857      | A |
| 858  | A | 859                | A | 860       | A | 861    | A | 862                 | A | 863      | A |
| 864  | A | 865                | A | 866       | A | 867    | A | 868                 | A | 869      | A |
| 870  | A | 871                | A | 872       | A | 873    | A | 874                 | A | 875      | A |
| 876  | A | 877                | A | 878       | A | 879    | A | 880                 | A | 881      | A |
| 882  | A | 883                | A | 884       | A | 885    | A | 886                 | A | 887      | A |
| 888  | A | 889                | A | 890       | A | 891    | A | 892                 | A | 893      | A |
| 894  |   |                    |   |           |   |        |   |                     |   |          |   |

\*\*\* AIMS COURSE ROSTER \*\*\*

JOB 210012 10/06/69 11.32.54  
PAGE 1

| NAME             | ACAD NUM. | NO. | CAP | INDX. | SAT | MATH | SAT | VERB | CALC | CHEM | MATH | ACH | RANK | COMMENTS | CRSF | DROP | DATE     | ENTERED | DATE | DROPPED |
|------------------|-----------|-----|-----|-------|-----|------|-----|------|------|------|------|-----|------|----------|------|------|----------|---------|------|---------|
| LAWRENCE DAVID E | 4942      | 41  | 56  | 607   | 473 | 0    | 0   | 0    | 0    | 0    | 693  | 162 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| LINHART R J      | 5138      | 42  | 67  | 684   | 610 | 0    | 0   | 0    | 0    | 0    | 730  | 157 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| LOGUE STEPHEN J  | 5166      | 43  | 70  | 720   | 656 | 0    | 0   | 0    | 0    | 0    | 698  | 157 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| LUNDBLAD M T     | 5236      | 44  | 60  | 678   | 502 | 0    | 0   | 0    | 0    | 0    | 650  | 160 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| SCHEY STEPHEN L  | 7602      | 45  | 73  | 741   | 605 | 0    | 0   | 0    | 0    | 0    | 800  | 172 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| SECKINGER D N    | 7749      | 46  | 63  | 659   | 518 | 0    | 0   | 0    | 0    | 0    | 680  | 252 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| STEVENS SCOTT H  | 8344      | 47  | 72  | 732   | 522 | 0    | 0   | 0    | 0    | 0    | 740  | 347 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| TEPLY JOHN F     | 8610      | 48  | 64  | 630   | 548 | 0    | 0   | 0    | 0    | 0    | 654  | 347 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| WALLMARK W W     | 9114      | 49  | 74  | 678   | 644 | 0    | 0   | 0    | 0    | 0    | 698  | 440 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| WATWOOD W B      | 9177      | 50  | 65  | 684   | 507 | 0    | 0   | 0    | 0    | 0    | 769  | 157 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| WETTERLIN H J    | 9303      | 51  | 62  | 605   | 708 | 0    | 0   | 0    | 0    | 0    | 565  | 252 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| WORLEY DENNIS L  | 9611      | 52  | 61  | 614   | 534 | 0    | 0   | 0    | 0    | 0    | 631  | 345 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| AKERS CARL W     | 0056      | 53  | 64  | 704   | 589 | 0    | 0   | 0    | 0    | 0    | 611  | 167 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| BALDWIN JAMES L  | 0329      | 54  | 59  | 627   | 498 | 0    | 0   | 0    | 0    | 0    | 643  | 255 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| CAMERON GERALD P | 1211      | 55  | 56  | 587   | 509 | 0    | 0   | 0    | 0    | 0    | 687  | 160 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| CURTIS ROBERT C  | 1743      | 56  | 67  | 732   | 596 | 0    | 0   | 0    | 0    | 0    | 650  | 162 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| GILL TIMOTHY J   | 2856      | 57  | 67  | 685   | 704 | 0    | 0   | 0    | 0    | 0    | 643  | 160 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| HENRY CHRISTOP R | 3633      | 58  | 71  | 694   | 637 | 0    | 0   | 0    | 0    | 0    | 654  | 345 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| HINSON LARRY A   | 3703      | 59  | 63  | 684   | 603 | 0    | 0   | 0    | 0    | 0    | 596  | 165 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| HOPPER WILLIAM F | 3808      | 60  | 64  | 636   | 692 | 0    | 0   | 0    | 0    | 0    | 639  | 162 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| JORNE BENNETT F  | 3815      | 61  | 62  | 650   | 547 | 0    | 0   | 0    | 0    | 0    | 693  | 165 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| JOHNSON GLENN L  | 4151      | 62  | 74  | 764   | 690 | 0    | 0   | 0    | 0    | 0    | 690  | 157 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| KENNEDY T S      | 4480      | 63  | 69  | 705   | 534 | 0    | 0   | 0    | 0    | 0    | 753  | 250 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| KRATOCHVIL O A   | 4774      | 64  | 68  | 732   | 548 | 0    | 0   | 0    | 0    | 0    | 736  | 157 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| KUBO LAWRENCE H  | 4802      | 65  | 74  | 756   | 642 | 0    | 0   | 0    | 0    | 0    | 736  | 180 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| MITANI MICHAEL K | 5957      | 66  | 58  | 623   | 605 | 0    | 0   | 0    | 0    | 0    | 574  | 170 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| PERREAULT MARK D | 6776      | 67  | 69  | 684   | 699 | 0    | 0   | 0    | 0    | 0    | 639  | 250 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| ROULSTONE D R    | 7392      | 68  | 69  | 704   | 522 | 0    | 0   | 0    | 0    | 0    | 753  | 255 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| RUSSOW GEORGE W  | 7476      | 69  | 65  | 678   | 551 | 0    | 0   | 0    | 0    | 0    | 610  | 345 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| SMITH DAVID L    | 8029      | 70  | 83  | 732   | 628 | 0    | 0   | 0    | 0    | 0    | 720  | 640 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| SMITH GARY E     | 8050      | 71  | 54  | 587   | 521 | 0    | 0   | 0    | 0    | 0    | 609  | 162 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| STENDER M G      | 8323      | 72  | 75  | 742   | 573 | 0    | 0   | 0    | 0    | 0    | 753  | 345 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| SZOKA MICHAEL A  | 8540      | 73  | 61  | 655   | 562 | 0    | 0   | 0    | 0    | 0    | 661  | 167 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| TOMLIN EDWIN L   | 8750      | 74  | 75  | 723   | 656 | 0    | 0   | 0    | 0    | 0    | 775  | 250 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| VAUGHN DAVID R   | 8967      | 75  | 54  | 599   | 515 | 0    | 0   | 0    | 0    | 0    | 587  | 165 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| WESSEL KENNETH J | 9275      | 76  | 64  | 713   | 493 | 0    | 0   | 0    | 0    | 0    | 639  | 250 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| WIGGE CONRAD J   | 9387      | 77  | 68  | 712   | 623 | 0    | 0   | 0    | 0    | 0    | 690  | 162 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| WIDD CHARLES A   | 9583      | 78  | 55  | 588   | 582 | 0    | 0   | 0    | 0    | 0    | 574  | 167 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| APPELGATE J M    | 0161      | 79  | 61  | 614   | 618 | 0    | 0   | 0    | 0    | 0    | 620  | 250 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |
| BEDEE ALBERT F   | 0448      | 80  | 62  | 655   | 507 | 0    | 0   | 0    | 0    | 0    | 598  | 345 | 0    | 0        | 0    | 0    | 09/30/69 |         |      |         |

THERE ARE 182 RECORDS IN THE STUDENT FILE  
OF THESE 182 STUDENTS REMAIN IN THE COURSE



\*\*\* AIMS QUESTION LISTING \*\*\*

[illegible][illegible]

# ANALYZE PROJECTILE MOTION

[illegible]

### CONVERSION OF UNITS

[illegible]

## SIGNIFICANT FIGURES

[illegible]

# VECTOR MANIPULATION

[illegible]

## VECTOR MANIPULATION

[illegible]

## FRAMES OF REFERENCE

[illegible]

# DIMENSIONAL ANALYSIS

2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500  
501  
502  
503  
504  
505  
506  
507  
508  
509  
510  
511  
512  
513  
514  
515  
516  
517  
518  
519  
520  
521  
522  
523  
524  
525  
526  
527  
528  
529  
530  
531  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545  
546  
547  
548  
549  
550  
551  
552  
553  
554  
555  
556  
557  
558  
559  
560  
561  
562  
563  
564  
565  
566  
567  
568  
569  
570  
571  
572  
573  
574  
575  
576  
577  
578  
579  
580  
581  
582  
583  
584  
585  
586  
587  
588  
589  
590  
591  
592  
593  
594  
595  
596  
597  
598  
599  
600  
601  
602  
603  
604  
605  
606  
607  
608  
609  
610  
611  
612  
613  
614  
615  
616  
617  
618  
619  
620  
621  
622  
623  
624  
625  
626  
627  
628  
629  
630  
631  
632  
633  
634  
635  
636  
637  
638  
639  
640  
641  
642  
643  
644  
645  
646  
647  
648  
649  
650  
651  
652  
653  
654  
655  
656  
657  
658  
659  
660  
661  
662  
663  
664  
665  
666  
667  
668  
669  
670  
671  
672  
673  
674  
675  
676  
677  
678  
679  
680  
681  
682  
683  
684  
685  
686  
687  
688  
689  
690  
691  
692  
693  
694  
695  
696  
697  
698  
699  
700  
701  
702  
703  
704  
705  
706  
707  
708  
709  
710  
711  
712  
713  
714  
715  
716  
717  
718  
719  
720  
721  
722  
723  
724  
725  
726  
727  
728  
729  
730  
731  
732  
733  
734  
735  
736  
737  
738  
739  
740  
741  
742  
743  
744  
745  
746  
747  
748  
749  
750  
751  
752  
753  
754  
755  
756  
757  
758  
759  
760  
761  
762  
763  
764  
765  
766  
767  
768  
769  
770  
771  
772  
773  
774  
775  
776  
777  
778  
779  
780  
781  
782  
783  
784  
785  
786  
787  
788  
789  
790  
791  
792  
793  
794  
795  
796  
797  
798  
799  
800  
801  
802  
803  
804  
805  
806  
807  
808  
809  
810  
811  
812  
813  
814  
815  
816  
817  
818  
819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
840  
841

## DIMENSIONAL ANALYSIS

[illegible]

# KINEMATIC TERMS AND USAGE

[illegible]

# TIME DEPENDENT ACCELERATION



\*\*\* A.I.M.S. REPORT GENERATOR \*\*\* REPORT NUMBER 1 \*\*\* TIME - 19.02.05 DATE - 01/30/70 PAGE NUMBER 1

STUDENT PERFORMANCE ANALYSIS FOR COURSE PHYSICS S211

VOLUME 8 POST TEST SEGMENT 1

| CSN | NAME             | ID NUMBER | SECTION | GROUP |
|-----|------------------|-----------|---------|-------|
| 2   | BRUCKER BLAINE R | 1029      | 801     | A     |

| QUESTION | ANSWER C/W | BEHAVIORAL OBJECTIVE | MESSAGE |
|----------|------------|----------------------|---------|
|----------|------------|----------------------|---------|

|   |   |  |  |
|---|---|--|--|
| 1 | C |  |  |
|---|---|--|--|

|   |   |  |  |
|---|---|--|--|
| 2 | C |  |  |
|---|---|--|--|

|   |   |  |  |
|---|---|--|--|
| 3 | C |  |  |
|---|---|--|--|

|   |   |  |  |
|---|---|--|--|
| 4 | C |  |  |
|---|---|--|--|

|   |   |  |  |
|---|---|--|--|
| 5 | W |  |  |
|---|---|--|--|

|   |   |  |  |
|---|---|--|--|
| 6 | W |  |  |
|---|---|--|--|

|   |   |  |  |
|---|---|--|--|
| 7 | C |  |  |
|---|---|--|--|

|   |   |  |  |
|---|---|--|--|
| 8 | C |  |  |
|---|---|--|--|

|   |   |  |  |
|---|---|--|--|
| 9 | W |  |  |
|---|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 10 | C |  |  |
|----|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 11 | C |  |  |
|----|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 12 | W |  |  |
|----|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 13 | W |  |  |
|----|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 14 | C |  |  |
|----|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 15 | W |  |  |
|----|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 16 | C |  |  |
|----|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 17 | C |  |  |
|----|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 18 | W |  |  |
|----|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 19 | W |  |  |
|----|---|--|--|

|    |   |  |  |
|----|---|--|--|
| 20 | W |  |  |
|----|---|--|--|

YOUR GRADE IS 61

YOUR RAW SCORE IS 55.

YOU MUST SEE YOUR INSTRUCTOR THIS WEEK TO DISCUSS THIS TEST.

REPORT NUMBER 1 1 of 3

A380-670-129

## STUDENT PERFORMANCE ANALYSIS FOR COURSE PHYSICS S211

VOLUME 8 POST TEST SEGMENT 1

| CSN | NAME          | ID NUMBER | SECTION | GROUP |
|-----|---------------|-----------|---------|-------|
| 5   | CROOK KEVIN P | 1694      | 801     | A     |

| QUESTION | ANSWER C/W | BEHAVIORAL OBJECTIVE | MESSAGE |
|----------|------------|----------------------|---------|
| 1        | C          |                      |         |
| 2        | C          |                      |         |
| 3        | C          |                      |         |
| 4        | C          |                      |         |
| 5        | C          |                      |         |
| 6        | W          |                      |         |
| 7        | C          |                      |         |
| 8        | C          |                      |         |
| 9        | C          |                      |         |
| 10       | C          |                      |         |
| 11       | C          |                      |         |
| 12       | W          |                      |         |
| 13       | C          |                      |         |
| 14       | C          |                      |         |
| 15       | W          |                      |         |
| 16       | C          |                      |         |
| 17       | C          |                      |         |
| 18       | C          |                      |         |
| 19       | C          |                      |         |
| 20       | C          |                      |         |

REPORT NUMBER 1 2 of 3

CENTRIPETAL FORCE

1-D, NON-RELATIVISTIC COLLISIONS

GRAV. POTENTIAL ENERGY

YOUR GRADE IS 85

YOUR RAW SCORE IS 85.

YOU MUST SEE YOUR INSTRUCTOR THIS WEEK TO DISCUSS THIS TEST.

\*\*\*\* A.I.M.S. REPORT GENERATOR \*\*\*\* REPORT NUMBER 1 \*\*\* TIME - 19.02.21 DATE - 01/30/70 PAGE NUMBER 3

## STUDENT PERFORMANCE ANALYSIS FOR COURSE PHYSICS S211

VOLUME 8 POST TEST SEGMENT 1

CSN 6 NAME DANCO THOMAS R ID NUMBER 1799 SECTION 1201 GROUP A

QUESTION ANSWER C/W BEHAVIORAL OBJECTIVE MESSAGE

|    |   |  |  |
|----|---|--|--|
| 1  | C |  |  |
| 2  | C |  |  |
| 3  | C |  |  |
| 4  | C |  |  |
| 5  | W |  |  |
| 6  | W |  |  |
| 7  | W |  |  |
| 8  | W |  |  |
| 9  | C |  |  |
| 10 | C |  |  |
| 11 | C |  |  |
| 12 | W |  |  |
| 13 | C |  |  |
| 14 | W |  |  |
| 15 | W |  |  |
| 16 | C |  |  |
| 17 | C |  |  |
| 18 | W |  |  |
| 19 | W |  |  |
| 20 | W |  |  |

FRICION  
CENTRIPETAL FORCE  
WORK DONE BY A CONSTANT FORCE  
POWER

1-D, NON-RELATIVISTIC COLLISIONS

GRAVITATIONAL FIELD  
GRAV. POTENTIAL ENERGY

CALCULATE ELECTRIC FIELD  
ELECTRIC FIELD/SUPERPOSITION  
WORK IN ELECTRIC FIELD

YOUR GRADE IS 67

YOUR RAW SCORE IS 50.

YOU MUST SEE YOUR INSTRUCTOR THIS WEEK TO DISCUSS THIS TEST.

REPORT NUMBER 1 3 of 3

A380-670-131

A380-670-132

AIMS HISTOGRAM ANALYSIS FOR TEST COURSE

REPORT NUMBER 4

SEGMENT, 1

TYPE, 2

VOLUME, 1

| SCORES   | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
|----------|----|----|----|----|----|----|----|----|----|-----|
| STUDENTS | 0  | 5  | 7  | 9  | 4  | 5  | 3  | 2  | 0  | 0   |
| 40       |    |    |    |    |    |    |    |    |    |     |
| 39       |    |    |    |    |    |    |    |    |    |     |
| 38       |    |    |    |    |    |    |    |    |    |     |
| 37       |    |    |    |    |    |    |    |    |    |     |
| 36       |    |    |    |    |    |    |    |    |    |     |
| 35       |    |    |    |    |    |    |    |    |    |     |
| 34       |    |    |    |    |    |    |    |    |    |     |
| 33       |    |    |    |    |    |    |    |    |    |     |
| 32       |    |    |    |    |    |    |    |    |    |     |
| 31       |    |    |    |    |    |    |    |    |    |     |
| 30       |    |    |    |    |    |    |    |    |    |     |
| 29       |    |    |    |    |    |    |    |    |    |     |
| 28       |    |    |    |    |    |    |    |    |    |     |
| 27       |    |    |    |    |    |    |    |    |    |     |
| 26       |    |    |    |    |    |    |    |    |    |     |
| 25       |    |    |    |    |    |    |    |    |    |     |
| 24       |    |    |    |    |    |    |    |    |    |     |
| 23       |    |    |    |    |    |    |    |    |    |     |
| 22       |    |    |    |    |    |    |    |    |    |     |
| 21       |    |    |    |    |    |    |    |    |    |     |
| 20       |    |    |    |    |    |    |    |    |    |     |
| 19       |    |    |    |    |    |    |    |    |    |     |
| 18       |    |    |    |    |    |    |    |    |    |     |
| 17       |    |    |    |    |    |    |    |    |    |     |
| 16       |    |    |    |    |    |    |    |    |    |     |
| 15       |    |    |    |    |    |    |    |    |    |     |
| 14       |    |    |    |    |    |    |    |    |    |     |
| 13       |    |    |    |    |    |    |    |    |    |     |
| 12       |    |    |    |    |    |    |    |    |    |     |
| 11       |    |    |    |    |    |    |    |    |    |     |
| 10       |    |    |    |    |    |    |    |    |    |     |
| 9        |    |    |    | *  |    |    |    |    |    |     |
| 8        |    |    |    | *  |    |    |    |    |    |     |
| 7        |    |    |    | *  |    |    |    |    |    |     |
| 6        |    |    |    | *  |    |    |    |    |    |     |
| 5        |    |    | *  | *  | *  | *  |    |    |    |     |
| 4        |    | *  | *  | *  | *  | *  | *  |    |    |     |
| 3        |    | *  | *  | *  | *  | *  | *  | *  |    |     |
| 2        |    | *  | *  | *  | *  | *  | *  | *  | *  |     |
| 1        |    | *  | *  | *  | *  | *  | *  | *  | *  |     |
| 0        |    |    |    |    |    |    |    |    |    |     |

NUMBER OF ZERO VALUES IN SAMPLE = 3

COURSE STRUCTURE SUMMARY

COURSE NO. 32

COURSE NAME PHYSICS S211

| VOLUME | SEGMENT | TYPE | QUESTION | TO FO | DESCRIPTION                              | PRESCRIPTION                 | ANSWER                    |
|--------|---------|------|----------|-------|--|------------------------------|---------------------------|
| 1      | 1       | 2    | 1        | 21 11 | 3045 G.C.F.                              | 30-203-1-5/11-3-5/           | 50-91-1-2,5,7,8/40-59-1-8 |
| 1      | 1       | 2    | 2        | 21 12 | 3066 L.C.M.                              | 11-8-14/40-69-2-3/           | 500-254-1-9/40-221-1-3    |
| 1      | 1       | 2    | 3        | 11 11 | 3055 NUMERATORS                          | 40-219-1-6/                  | 40-221-1-3/50-205-1-5     |
| 1      | 1       | 2    | 4        | 11 12 | 3056 DENOMINATORS                        | 30-193-1-2/                  | 30-192-1-5/50-237-1-3     |
| 1      | 1       | 2    | 5        | 12 21 | 3043 ORDERING LIKE FRACTIONS             |                              | 30-186-1-4/500-214-1-5    |
| 1      | 1       | 2    | 6        | 12 23 | 3078 ORDERING UNLIKE FRACTIONS           |                              | 11-9-16/40-149-1-5        |
| 1      | 1       | 2    | 7        | 12 22 | 3044 ORDERING LIKE FRACTIONS             |                              | 30-187-1-4/11-1-2         |
| 1      | 1       | 2    | 8        | 21 14 | 3048 MULTIPLY BY ONE                     | 11-2-3/                      | 50-218-19-1-6             |
| 1      | 1       | 2    | 9        | 21 17 | 3051 LOWEST TERMS                        | 50-218-20-1-8/               | 11-2-4/11-3-6/11-3-5      |
| 1      | 1       | 2    | 10       | 22 23 | 3083 ADD LIKE FRACTIONS                  |                              | 40-219-1-3/50-236-1-2     |
| 2      | 1       | 2    | 1        | 21 11 | 3045 G.C.F.                              | 50-90-1-1-8/                 | 11-3-6/50-87-1-3          |
| 2      | 1       | 2    | 2        | 21 12 | 3066 L.C.M.                              | 50-253-1-11/                 | 50-257-1-5/50-252-1-4     |
| 2      | 1       | 2    | 3        | 22 23 | 3083 ADDING LIKE FRACTIONS               |                              | 50-237-1-3/30-201-1-4     |
| 2      | 1       | 2    | 4        | 12 23 | 3078 ORDERING UNLIKE FRACTIONS           |                              | 11-9-16/50-215-1-4        |
| 2      | 1       | 2    | 5        | 12 21 | 3043 ORDERING LIKE FRACTIONS             |                              | 30-193-1-7/50-210-1-4     |
| 2      | 1       | 2    | 6        | 12 22 | 3044 ORDERING LIKE FRACTIONS             |                              | 11-1-2/30-186-7-1-4       |
| 2      | 1       | 2    | 7        | 21 14 | 3048 MULTIPLY BY ONE                     | 50-221-1-6/                  | 40-151-1-2/40-152-1-2     |
| 2      | 1       | 2    | 8        | 21 17 | 3051 FACTOR NUM. AND DENOM.              |                              | 11-3,5/50-241-1-6         |
| 2      | 1       | 2    | 9        | 11 11 | 3055 NUMERATOR                           | 50-203-2/                    | 30-193-1-7/30-310-1-5     |
| 2      | 1       | 2    | 10       | 11 12 | 3056 DENOMINATOR                         | 50-205 2-5/                  | 30-327-1/30-192-1-5       |
| 3      | 1       | 2    | 1        | 21 18 | 3070 L.C.O.                              | 30-206-7-1-6/                | 11-7-12/50-257-1-5/11-7-1 |
| 3      | 1       | 2    | 2        | 21 10 | 3093 EQUIVALENT FRACTION                 | 11-2-4/40-217-1-4/30-203-1-5 |                           |
| 3      | 1       | 2    | 3        | 22 21 | 3088 ADDITION OF UNIT FRACTIONS          |                              | 40-235-1-2/30-201-1-4     |
| 3      | 1       | 2    | 4        | 22 22 | 3082 ADD. UNIT AND COMMON FRACTIONS      |                              | 30-207-4-6/20-82-1-7      |
| 3      | 1       | 2    | 5        | 22 23 | 3083 ADDITION OF COMMON FRACTIONS        |                              | 50-250-1-2/400-221-1-3    |
| 3      | 1       | 2    | 6        | 22 24 | 3084 ADDITION OF COMMON FRACTIONS        |                              | 40-224-1-6/50-239-1-5     |
| 3      | 1       | 2    | 7        | 22 25 | 3089 50-221-1-6/11-3-6/40-217-1-4/11-3-5 |                              |                           |
| 3      | 1       | 2    | 8        | 12 24 | 3080 ORDERING IMPROPER FRACTIONS         |                              | 11-4-7/30-204-1/11-9-12   |
| 3      | 1       | 2    | 9        | 23 32 | 3085 CHANGE IMPROP. FRACT. TO MIXED      | 50-239-1-5/40-224-1-6        |                           |
| 3      | 1       | 2    | 10       | 23 35 | 3081 EQUIV. IMPROP. FRACT. MIXED         | 30-204-1-5/40-147-4-8        |                           |
| 4      | 1       | 2    | 1        | 21 10 | 3093 EQUIVALENT FRACTIONS                |                              | 30-185-1-6/11-2-4/11-2-3  |
| 4      | 1       | 2    | 2        | 21 19 | 3070 L.C.O.                              | 30-184-1-3/11 9-15/          | 11 7-13/11 7-12           |
| 4      | 1       | 2    | 3        | 22 22 | 3082 ADD. UNIT FRACT. & COMMON FRACT.    |                              | 60-248-1/30-201-1-4       |
| 4      | 1       | 2    | 4        | 22 21 | 3088 ADDITION OF UNIT FRACTIONS          |                              | 50-236-1-3/40-219-1-3     |
| 4      | 1       | 2    | 5        | 22 23 | 3083 ADDING COMMON FRACTIONS             |                              | 50-424-7/50-423-3-4       |
| 4      | 1       | 2    | 6        | 22 25 | 3089 SIMPLEST FORM                       | 50-238-3-4/                  | 30-188-1-6/11 3-5/11 3-6  |
| 4      | 1       | 2    | 7        | 22 24 | 3094 ADDING COMMON FRACTIONS             |                              | 50-240-2-5/30-202-1-5     |
| 4      | 1       | 2    | 8        | 12 24 | 3090 ORDERING IMPROPER FRACTIONS         |                              | 60-243-1-9/11-4-7         |
| 4      | 1       | 2    | 9        | 23 32 | 3085 CHANGE IMPROP. FRACT. TO MIXED      |                              | 50-240 1-4/50-238-1-4     |
| 4      | 1       | 2    | 10       | 3 35  | 3081 EQUIVALENT VALUES                   |                              | 50-240-2-5/50-238-1-4     |

END OF PROCESSING

\*\*\*\* A.I.M.S. REPORT GENERATOR \*\*\*\* REPORT NUMBER 6 \*\*\*\* TIME - 77777777 DATE - 77777777 PAGE NUMBER 1

## AIMS ITEM ANALYSIS

VOLUME, 2 NUMBER OF SELECTIONS PER QUESTION, 5 TYPE, POST TEST SEGMENT, 1

## NUMBER OF TIMES EACH ANSWER CHOSEN

QUEST NUMBER A B C D E F G H I J TOTAL ANSWERS

REPORT NUMBER 6

|                  |     |     |     |     |     |   |   |   |   |   |   |     |
|------------------|-----|-----|-----|-----|-----|---|---|---|---|---|---|-----|
| 1                | 1   | 3   | 3   | 57* | 2   | 0 | 0 | 0 | 0 | 0 | 0 | 66  |
| 2                | 43  | 9   | 9*  | 0   | 5   | 0 | 0 | 0 | 0 | 0 | 0 | 66  |
| 3                | 57* | 4   | 0   | 1   | 2   | 0 | 0 | 0 | 0 | 0 | 0 | 64  |
| 4                | 2   | 13  | 43* | 6   | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 64  |
| 5                | 8   | 45* | 4   | 5   | 4   | 0 | 0 | 0 | 0 | 0 | 0 | 66  |
| 6                | 2   | 3   | 3   | 3   | 55* | 0 | 0 | 0 | 0 | 0 | 0 | 66  |
| 7                | 54* | 7   | 2   | 2   | 1   | 0 | 0 | 0 | 0 | 0 | 0 | 66  |
| 8                | 1   | 0   | 2   | 59* | 4   | 0 | 0 | 0 | 0 | 0 | 0 | 66  |
| 9                | 3   | 53* | 3   | 3   | 4   | 0 | 0 | 0 | 0 | 0 | 0 | 66  |
| 10               | 1   | 3   | 0   | 60* | 1   | 0 | 0 | 0 | 0 | 0 | 0 | 65  |
| TOTAL SELECTIONS | 172 | 140 | 69  | 196 | 78  | 0 | 0 | 0 | 0 | 0 | 0 | 655 |

NUMBER OF WORKS PROCESSED, 67

NUMBER OF MULTIPLE SELECTIONS, 0

NUMBER OF BLANK SELECTIONS, 15

\*\*\*\* A.I.M.S. REPORT GENERATOR \*\*\*\* REPORT NUMBER 7 \*\*\*\* TIME - 14.47.07 DATE - 04/28/70 PAGE NUMBER 1

-----  
TERMINAL OBJECTIVE THRESHOLD LEVEL SUMMARY  
-----

-----  
TERMINAL OBJECTIVE THRESHOLD LEVEL  
-----

|    |    |
|----|----|
| 1  | 33 |
| 2  | 33 |
| 3  | 33 |
| 4  | 33 |
| 5  | 33 |
| 6  | 33 |
| 7  | 33 |
| 8  | 33 |
| 9  | 33 |
| 10 | 33 |
| 11 | 33 |
| 12 | 33 |
| 13 | 33 |
| 21 | 33 |
| 22 | 33 |
| 23 | 33 |
| 24 | 33 |
| 31 | 33 |
| 32 | 33 |
| 33 | 33 |
| 34 | 33 |
| 35 | 33 |
| 41 | 33 |
| 42 | 33 |
| 43 | 33 |
| 44 | 33 |
| 51 | 33 |
| 52 | 33 |
| 53 | 33 |

REPORT NUMBER 7 SECTION 1

A380-670-135

\*\*\* A.I.M.S. REPORT GENERATOR \*\*\* REPORT NUMBER 7 \*\*\* TIME - 14.47.57 DATE - 04/28/70 PAGE NUMBER 2

LUCAS JAMES IRA JR. I.D. NUMBER 577685690  
 THE STUDENT IDENTIFIED ABOVE HAS PERFORMED BELOW PRE-SET LEVELS OF PERFORMANCE ON TERMINAL OBJECTIVE(S) IN LESSON 1

----- PERFORMANCE DATA -----

PERCENT ERR CUTOFF LEVEL

T.O.

|    |    |    |
|----|----|----|
| 21 | 8  | 33 |
| 22 | 8  | 33 |
| 33 | 14 | 33 |
| 41 | 10 | 33 |
| 43 | 8  | 33 |
| 51 | 27 | 33 |
| 52 | 50 | 33 |

REPORT NUMBER 7 SECTION 2



\*\*\* A.I.M.S. REPORT GENERATOR \*\*\* REPORT NUMBER 7 \*\*\* TIME - 14.48.11 DATE - 04/28/70 PAGE NUMBER 3

REPORT NUMBER 7 SECTION 3

LESSON 1 TERMINAL OBJECTIVE 52 COMPOSED OF 4 QUESTIONS.  
TERMINAL OBJECTIVE REMEDIAL SUMMARY

A TOTAL OF 1 STUDENTS PERFORMED BELOW THE CUTOFF LEVEL SET AT 33  
THE FOLLOWING STUDENTS HAVE PERFORMED BELOW THE CUTOFF LEVEL-

| NAME OF STUDENT | I.D. NO. | PERCENT ERROR |
|-----------------|----------|---------------|
|-----------------|----------|---------------|

|                     |           |    |
|---------------------|-----------|----|
| LUCAS JAMES TRA JR. | 577695690 | 50 |
|---------------------|-----------|----|

A380-670-157

\*\*\* A.I.M.S. REPORT GENERATOR \*\*\* REPORT NUMBER 7 \*\*\* TIME - 14.48.29 DATE - 04/28/70 PAGE NUMBER 1

REPORT NUMBER 7 SECTION 4

REMEDIAL SESSION - LESSON PLAN - LESSON 1

| SESSION 1          | PROF. AND/OR LOCATION | PROFESSOR SMITH - ROOM 100 | NO. OF STUDENTS |
|--------------------|-----------------------|----------------------------|-----------------|
| TERMINAL OBJECTIVE | CUTOFF LEVEL          |                            |                 |
| 52                 | 33                    |                            | 1               |

\*\*\*\* A.I.M.S. REPORT GENERATOR \*\*\*\* REPORT NUMBER 7 \*\*\*\* TIME - 14.48.45 DATE - 04/28/70 PAGE NUMBER 1

REMEDIAL SESSION ROSTER

LESSON 1

SESSION 1

PROF AND/OR LOCATION- PROFESSOR SMITH - ROOM 100

REPORT NUMBER 7 SECTION 5

TERMINAL OBJECTIVES

TERMINAL OBJECTIVE NUMBERS- 52

THRESHOLD LEVELS SET AT - 33

THE FOLLOWING STUDENTS HAVE BEEN ASSIGNED TO THIS REMEDIAL SESSION

| STUDENT NAME       | NUMBER | PERCENTAGE ERROR ON THE ABOVE TERMINAL OBJECTIVES |
|--------------------|--------|---|
| 1 AS JAMES IRA JR. | 23     | 50  |

END OF AIMS OUTPUT GENERATOR

## \*\*\* VOLUME SUBMITTAL REVIEW \*\*\*

COURSE, PHYSICS S211 VOLUME NO. 12

## REPORT NUMBER 11

NOTE, NO/S - SIGNIFIES THAT STUDENT DID NOT SUBMIT MATERIALS FOR PROCESSING  
SUR. - SIGNIFIES THAT STUDENT DID SUBMIT MATERIALS FOR PROCESSING

| STUDENT          | CSN | PRE-TEST        | STUDY GDE(1) | STUDY GDE(2) | STUDY GDE(3) | STUDY GDE(4) | STUDY GDE(5) | ASSIGN | HOME WORK | POST TEST |
|------------------|-----|-----------------|--------------|--------------|--------------|--------------|--------------|--------|-----------|-----------|
| BARRITT JAMES C  | 1   | SUB.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| BROCKER BLAINE R | 2   | SUB.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| CHAMBLISS K V    | 3   | STUDENT DROPPED |              |              |              |              |              |        |           |           |
| CLIFFORD JOHN D  | 4   | STUDENT DROPPED |              |              |              |              |              |        |           |           |
| CROOK KEVIN P    | 5   | SUB.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| DAYCO THOMAS R   | 6   | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| DEESCH DANNY L   | 7   | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| DTX STEPHEN D    | 8   | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| ENGLUND R T      | 9   | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| GALLI WILLIAM F  | 10  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| JOHNSON LARRY C  | 11  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| KING MANTON A    | 12  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| MEYER JOHN G     | 13  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| MITCHELL R L     | 14  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| NEUPAVER A J     | 15  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| N' LSEN JACK S   | 16  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| PLARY GORDON C   | 17  | STUDENT DROPPED |              |              |              |              |              |        |           |           |
| PESKE JOHN G     | 18  | SUR.            | SUR.         | SUR.         | SUR.         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| PORTERFIELD R R  | 19  | NO/S            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| POTTSCHEIDT R C  | 20  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| PRINCE THOS ALAN | 21  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| SCHUBERT JERRY L | 22  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| SILVESTRI M J    | 23  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| SMITH EARL M     | 24  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| VANDERKOE R R    | 25  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| WILKERSON JOHN A | 26  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| ACCURSI LEO L    | 27  | SUR.            | SUR.         | SUR.         | SUR.         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| ADAMS GEORGE F   | 28  | SUR.            | SUR.         | SUR.         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| BISHOP PHILLIP A | 29  | SUR.            | SUR.         | SUR.         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| CARTER GUY J     | 30  | SUR.            | SUR.         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| CHRISTENSEN S D  | 31  | SUR.            | SUR.         | SUR.         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| DARLING RALPH E  | 32  | SUR.            | SUR.         | SUR.         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| DREELAND W A     | 33  | STUDENT DROPPED |              |              |              |              |              |        |           |           |
| DREWS ROBERT A   | 34  | SUR.            | SUR.         | SUR.         | SUR.         | NO/S         | NO/S         | NO/S   | NO/S      | NO/S      |
| GLICK DEAN F     | 35  | SUR.            | SUR.         | SUR.         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| HARBIN BRADLEY   | 36  | SUR.            | SUR.         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| HOSTETTER D R    | 37  | SUR.            | SUR.         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| HOWARD GEORGE R  | 38  | SUR.            | SUR.         | SUR.         | SUR.         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| KINDEL GEORGE F  | 39  | SUR.            | NO/S         | NO/S         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| LASKEN JOHN C    | 40  | SUR.            | SUR.         | SUR.         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| LAWRENCE DAVID E | 41  | SUR.            | SUR.         | SUR.         | SUR.         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| L HART R J       | 42  | SUR.            | SUR.         | SUR.         | SUR.         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| LOQUE STEPHEN J  | 43  | SUR.            | SUR.         | SUR.         | NO/S         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| LONCHLEY M T     | 44  | SUR.            | SUR.         | SUR.         | SUR.         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |
| SCHEY STEPHEN L  | 45  | SUR.            | SUR.         | SUR.         | SUR.         | NO/S         | NO/S         | NO/S   | NO/S      | SUR.      |

## REPORT NUMBER 12

\*\*\* CLASS ROSTER \*\*\*  
COURSE, PHYSICS S211

| STUDENT           | ACADEMY<br>NO. | COURSE<br>STD.NO. |
|-------------------|----------------|-------------------|
| BABBITT JAMES C   | 9266           | 1                 |
| BRUCKER BLAINE R  | 1029           | 2                 |
| CHAMBLISS K V     | 1358           | 3                 |
| CLIFFORD JOHN D   | 1449           | 4                 |
| CROOK KEVIN P     | 1694           | 5                 |
| DANCO THOMAS R    | 1799           | 6                 |
| DEESCH DANNY L    | 1932           | 7                 |
| DIX STEPHEN D     | 2079           | 8                 |
| ENGLUND R T       | 2380           | 9                 |
| GALLI WILLIAM F   | 2702           | 10                |
| JOHNSON LARRY C   | 4165           | 11                |
| KING MANTON A     | 4571           | 12                |
| MEYER JOHN G      | 5796           | 13                |
| MITCHELL R L      | 5964           | 14                |
| NEUPAVER A J      | 6356           | 15                |
| NIELSEN JACK S    | 6412           | 16                |
| PERRY GORDON C    | 6797           | 17                |
| PECKE JOHN G      | 6811           | 18                |
| PIERFIELD R B     | 6937           | 19                |
| PUTSCHMIDT R C    | 6958           | 20                |
| PRINCE THOS ALAN  | 7014           | 21                |
| SCHUBERT JERRY L  | 7700           | 22                |
| SILVESTRI M J     | 7945           | 23                |
| SMITH EARL M      | 8036           | 24                |
| VANORSDER R R     | 8939           | 25                |
| WILKERSON JOHN A  | 9401           | 26                |
| WACOURST LEO L    | 0007           | 27                |
| ADAMS GEORGE F    | 0042           | 28                |
| BITSHOP PHILLIP A | 0588           | 29                |
| CARRIER GUY J     | 1281           | 30                |
| CHRISTENSEN S D   | 1393           | 31                |
| DARLING RALPH E   | 1806           | 32                |
| DREELAND W A      | 2163           | 33                |
| DREWS ROBERT A    | 2170           | 34                |
| GLICK DEAN F      | 2926           | 35                |
| HARBIN BRADLEY    | 3416           | 36                |
| HOSSETTER D R     | 3843           | 37                |
| HOWARD GEORGE R   | 3871           | 38                |
| KINDEL GEORGE F   | 4550           | 39                |
| LASKEN JOHN C     | 4928           | 40                |
| LAWRENCE DAVID E  | 4942           | 41                |
| LINHART R J       | 5138           | 42                |
| LOGUE STEPHEN J   | 5166           | 43                |
| LUNDBLAD M T      | 5236           | 44                |
| MEYER STEPHEN L   | 7602           | 45                |
| SECKINGER D N     | 7749           | 46                |
| STEVENS SCOTT H   | 8344           | 47                |
| TEPLY JOHN F      | 8610           | 48                |

A380-670-141

COURSE, PHYSICS 4001 VOLUME NO. 2

## \*\*\* VOLUME STATISTICS \*\*\*

|                       | MINIMUM | MEAN | MAXIMUM |
|-----------------------|---------|------|---------|
| CAPABILITY INDEX      | 47      | 65   | 106     |
| PERFORMANCE INDEX     | 70      | 78   | 85      |
| PERFORMANCE DEVIATION |         | 13   |         |
| PROBLEM ACHIEVEMENT   | 18      | 31   | 45      |
| POST TEST ACHIEVEMENT | 30      | 54   | 70      |
| NET ACHIEVEMENT INDEX |         | 55   |         |
| ACHIEVEMENT DEVIATION |         | -10  |         |

\*\*\*\* A.I.M.S. REPORT GENERATOR \*\*\*\* REPORT NUMBER 14 \*\*\*\* TIME - 12.01.36 DATE - 04/07/70 PAGE NUMBER 1

\*\*\* INDIVIDUAL VOLUME STATISTICS \*\*\*  
COURSE, PHYSICS 4001 VOLUME NO. 2

| STUDENT              | CSN | CAPB. INDEX   | PERF. INDEX | ABS. PERF. DEV. | REL. PERF. DEV. | PROB. ACH. | POST TEST ACH. | NET ACH. | ABS. ACH. DEV. | REL. ACH. DEV. | CM.AV. PROB. ACH. | CM.AV. PT.IS. ACH. | CM.AV. NET ACH. | CM.AV. REL. ACH. DEV. |
|----------------------|-----|---|-------------|-----------------|-----------------|------------|----------------|----------|----------------|----------------|-------------------|--------------------|-----------------|-----------------------|
| ALVES STERLING       | 1   | 47.   | 70.         | 23.             | 10.             | 34.        | 30.            | 52.      | 5.             | 15.            | 34.               | 30.                | 52.             | 15.                   |
| DAVIES DAVIT T       | 2   | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| FARGO STEVEN         | 3   | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| FISKE JR EUGENE S    | 4   | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| FOSTER FITZ          | 5   | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| GIM HENRY            | 6   | 64.   | 79.         | 15.             | 2.              | 45.        | 60.            | 62.      | -2.            | 8.             | 45.               | 60.                | 62.             | 8.                    |
| GOLDSTEIN FREDERIC K | 7   | 63.   | 85.         | 22.             | 9.              | 24.        | 40.            | 54.      | -9.            | 1.             | 24.               | 40.                | 54.             | 1.                    |
| LEWIS DAVID          | 8   | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| MORRISON JOHN D      | 9   | 53.   | 82.         | 29.             | 16.             | 37.        | 70.            | 59.      | 6.             | 16.            | 37.               | 70.                | 59.             | 16.                   |
| UGUNSHIAKAN AMBROSE  | 10  | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| PARKER LAWRENCE      | 11  | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| REID ANTHONY         | 12  | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| SHOREY ARTHUR P      | 13  | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| SMITH ROBERT S       | 14  | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| STANZIALE ROBERT     | 15  | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |
| STANZIONE JOHN H     | 16  | 76.   | 78.         | 2.              | -11.            | 25.        | 50.            | 51.      | -25.           | -15.           | 34.               | 55.                | 57.             | 11.                   |
| STEFANIA GABRIEL     | 17  | 51.   | 75.         | 24.             | 11.             | 18.        | 60.            | 46.      | -5.            | 5.             | 18.               | 60.                | 46.             | 5.                    |
| FARGO CHARLES        | 18  | 106.  | 82.         | -24.            | -37.            | 40.        | 70.            | 61.      | -45.           | -35.           | 42.               | 65.                | 64.             | -12.                  |
| ROSEN MARK C         | 19  | THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED |             |                 |                 |            |                |          |                |                |                   |                    |                 |                       |



## \*\*\* VOLUME SUMMARY \*\*\*

COURSE, 3 2 ) VOLUME NO. 2  
THE \*\* SIGNIFIES THAT NO MATERIALS HAVE BEEN SUBMITTED FOR PROCESSING

| STUDENT                 | CSN | PRE. TEST | STUDY GDE(1) | STUDY GDE(2) | STUDY GDE(3) | STUDY GDE(4) | STUDY GDE(5) | ASSIGN | HOME WORK | POST TEST | PERF. INDEX | CUM. AVE. | CAPL. INDEX |
|-------------------------|-----|-----------|--------------|--------------|--------------|--------------|--------------|--------|-----------|-----------|-------------|-----------|-------------|
| ASKINS ANASTASIA        | 1   | 10.       | 76.          | 99.          | 98.          | 98.          | 74.          | 0.     | 0.**      | 0.**      | 49.         | 41.       | 170.        |
| ARKWARD VALERIE         | 2   | 30.       | 98.          | 98.          | 98.          | 98.          | 98.          | 0.     | 0.**      | 0.**      | 58.         | 36.       | 146.        |
| BARROUR GLENN           | 3   | 10.       | 93.          | 97.          | 91.          | 91.          | 91.          | 0.     | 0.**      | 0.**      | 56.         | 42.       | 139.        |
| BROWN NANCY             | 4   | 10.       | 95.          | 85.          | 100.         | 100.         | 100.         | 0.     | 0.**      | 0.**      | 4.          | 59.       | 141.        |
| CAMPER REGINALD LEE     | 5   | 0.**      | 63.          | 30.          | 80.          | 80.          | 80.          | 0.     | 0.**      | 0.**      | 34.         | 41.       | 143.        |
| CANNON LORETTA CAROLYN  | 6   | 10.       | 44.          | 82.          | 82.          | 82.          | 82.          | 0.     | 0.**      | 0.**      | 49.         | 21.       | 139.        |
| DEVILLE VIVIAN MADELINE | 7   | 0.**      | 1.**         | 0.**         | 0.**         | 0.**         | 0.**         | 0.**   | 0.**      | 0.**      | 54.         | 47.       | 157.        |
| EDPS CRYSTAL            | 8   | 0.**      | 1.**         | 0.**         | 0.**         | 0.**         | 0.**         | 0.**   | 0.**      | 0.**      | 0.          | 32.       | 48.         |
| FONTAINE WAYNE DOUGLAS  | 9   | 0.**      | 1.           | 85.          | 98.          | 98.          | 98.          | 0.     | 0.**      | 0.**      | 55.         | 54.       | 144.        |
| GRAY GARY XAVIER        | 10  | 0.        | 92.          | 92.          | 89.          | 89.          | 89.          | 0.     | 0.**      | 0.**      | 53.         | 35.       | 152.        |
| GREEN IMOYNA DENEASE    | 11  | 0.**      | 91.          | 95.          | 93.          | 93.          | 93.          | 0.     | 0.**      | 0.**      | 74.         | 28.       | 128.        |
| GREEN JAMES ARTHUR JR.  | 12  | 0.**      | 100.         | 99.          | 99.          | 99.          | 99.          | 0.     | 0.**      | 0.**      | 55.         | 37.       | 210.        |
| GREEN LONNIE JR.        | 13  | 0.**      | 100.         | 99.          | 99.          | 99.          | 99.          | 0.     | 0.**      | 0.**      | 42.         | 53.       | 180.        |
| HARRISON ANGELA DEBORA  | 14  | 0.        | 89.          | 90.          | 99.          | 99.          | 99.          | 0.     | 0.**      | 0.**      | 0.          | 16.       | 121.        |
| HUDSON CURTIS BENJAMIN  | 15  | 20.       | 89.          | 90.          | 94.          | 94.          | 94.          | 0.     | 0.**      | 0.**      | 33.         | 27.       | 138.        |
| JACKSON CARL DEVIS      | 16  | 0.**      | 0.**         | 90.          | 91.          | 91.          | 91.          | 0.     | 0.**      | 0.**      | 36.         | 26.       | 136.        |
| JETER LINDA DEBORAH     | 17  | 0.**      | 0.**         | 83.          | 88.          | 88.          | 88.          | 0.     | 0.**      | 0.**      | 5.          | 48.       | 126.        |
| JOHNSON JAMES LLOYD     | 18  | 0.**      | 94.          | 81.          | 0.**         | 0.**         | 0.**         | 0.     | 0.**      | 0.**      | 0.          | 37.       | 124.        |
| JONES ANTHONY GARY      | 19  | 0.**      | 0.**         | 0.**         | 0.**         | 0.**         | 0.**         | 0.     | 0.**      | 0.**      | 49.         | 78.       | 154.        |
| JONES BARBARA MAE       | 20  | 40.       | 0.**         | 0.**         | 100.         | 100.         | 100.         | 0.     | 0.**      | 0.**      | 51.         | 27.       | 122.        |
| KINARD FANNIE ISABELLE  | 21  | 0.**      | 69.          | 71.          | 42.          | 42.          | 42.          | 0.     | 0.**      | 0.**      | 33.         | 28.       | 133.        |
| LEE MURIEL ARDENTIA     | 22  | 20.       | 0.**         | 15.          | 0.**         | 0.**         | 0.**         | 0.     | 0.**      | 0.**      | 36.         | 26.       | 136.        |
| LUCAS JAMES IRA JR.     | 23  | 40.       | 0.**         | 0.**         | 0.**         | 0.**         | 0.**         | 0.     | 0.**      | 0.**      | 0.          | 48.       | 126.        |
| MANDY PATRICIA ANN      | 24  | 60.       | 100.         | 0.**         | 0.**         | 0.**         | 0.**         | 0.     | 0.**      | 0.**      | 0.          | 37.       | 124.        |
| MCDANIEL STEPHEN LEROY  | 25  | 40.       | 76.          | 0.**         | 0.**         | 0.**         | 0.**         | 0.     | 0.**      | 0.**      | 49.         | 78.       | 154.        |
| NICHOLS VIOLET IDELLA   | 26  | 10.       | 97.          | 76.          | 70.          | 70.          | 70.          | 0.     | 0.**      | 0.**      | 51.         | 27.       | 122.        |
| PINKETT GREGORY WAYNE   | 27  | 0.**      | 0.**         | 0.**         | 50.          | 50.          | 50.          | 0.     | 0.**      | 0.**      | 47.         | 43.       | 139.        |
| POPE WANDA LEIGH        | 28  | 0.**      | 0.**         | 0.**         | 47.          | 47.          | 47.          | 0.     | 0.**      | 0.**      | 16.         | 41.       | 125.        |
| PURVANCE MAYBELLE G.    | 29  | 0.**      | 0.**         | 0.**         | 0.**         | 0.**         | 0.**         | 0.     | 0.**      | 0.**      | 23.         | 43.       | 265.        |
| RICE MARY               | 30  | 30.       | 87.          | 95.          | 85.          | 85.          | 85.          | 0.     | 0.**      | 0.**      | 0.          | 33.       | 152.        |
| SMITH DIANE             | 31  | 20.       | 100.         | 10.          | 0.**         | 0.**         | 0.**         | 0.     | 0.**      | 0.**      | 48.         | 30.       | 133.        |
| SMITH RETTTA            | 32  | 10.       | 63.          | 54.          | 83.          | 83.          | 83.          | 0.     | 0.**      | 0.**      | 36.         | 21.       | 151.        |
| SOUTHERLAND TERESA      | 33  | 20.       | 77.          | 65.          | 91.          | 91.          | 91.          | 0.     | 0.**      | 0.**      | 40.         | 37.       | 131.        |
| WATKINS VERNAL          | 34  | 40.       | 98.          | 87.          | 89.          | 89.          | 89.          | 0.     | 0.**      | 0.**      | 44.         | 41.       | 148.        |
| WEST TERRENCE           | 35  | 0.**      | 83.          | 74.          | 86.          | 86.          | 86.          | 0.     | 0.**      | 0.**      | 54.         | 53.       | 125.        |
| WILL'S EVANGELINE       | 36  | 10.       | 0.**         | 80.          | 76.          | 76.          | 76.          | 0.     | 0.**      | 0.**      | 46.         | 32.       | 151.        |
| WOODLAND CECELIA        | 37  | 40.       | 74.          | 75.          | 97.          | 97.          | 97.          | 0.     | 0.**      | 0.**      | 39.         | 34.       | 118.        |
| WILLIAMS LORRAINE       | 38  | 0.**      | 83.          | 90.          | 83.          | 83.          | 83.          | 0.     | 0.**      | 0.**      | 49.         | 30.       | 127.        |
|                         |     |           |              |              |              |              |              |        |           |           | 51.         | 58.       | 141.        |